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No. 7

*THE UNIVERSITY AND
BELLEVUE HOSPITAL
MEDICAL COLLEGE*

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[NOTE.—All graduate courses in Science are at University Heights.]

New York University

THE UNIVERSITY AND
BELLEVUE HOSPITAL
MEDICAL COLLEGE



Announcements for 1903-1904

26th Street and First Avenue
New York City

CONTENTS

	PAGE
Calendar	2
Faculty	3
College Clinic	8
General Announcement	11
College Buildings	12
Requirements for Admission	14
Admission to Advanced Standing	14
Requirements for Graduation	17
Outline of Curriculum	18
Tabulated Summary of Studies	25
Methods of Instruction	26
Graduate Courses	48
Clinical Facilities	53
Prizes and Hospital Appointments	56
Miscellaneous Information	58
Reading-room and Association Hall	58
Board	59
Correspondence	59
Fees and Expenses	60
Regents' Entrance Examination and Certificates	60
Textbooks	62
Matriculants	64
Council of the University	69
Historical Sketch	70
Change of Name	71
Alumni Association	72
Special University Announcement	72

Annual Calendar

- 1903—Sept. 30.—Instruction begins Wednesday.
 Nov. 3.—Election Day, holiday, Tuesday.
 Nov. 26-30 —Thanksgiving holidays.
 Dec. 20-Jan. 3 inclusive.—Christmas holidays.
- 1904—Feb. 12.—Lincoln's Birthday, holiday, Friday.
 Feb. 22.—Washington's Birthday, Monday.
 June 9.—Commencement, Thursday.

FACULTY OF MEDICINE

HENRY M. MACCRACKEN, D.D., LL.D.,
Chancellor of the University

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Dean ; Professor of Medicine

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Professor of Principles and Practice of Medicine and Clinical Medicine

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*Secretary ; Professor of Therapeutics and Clinical Medicine, and Adjunct
Professor of Principles and Practice of Medicine*

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*Professor of the Principles and Practice of Surgery, Operative and
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Professor of Therapeutics*

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EDWARD D. FISHER, M.D.,

Professor of Diseases of the Nervous System

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Professor of Diseases of the Throat

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Professor of Pediatrics

ROWLAND G. FREEMAN, M.D., CHIEF OF CLINIC

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Clinical Professor of Surgery

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Clinical Professor of Orthopedic Surgery

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WILLIAM C. LUSK, M.D.,
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HARLOW BROOKS, M.D.,
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Assistant Professor in Chemistry

HENRY M. SILVER, M.D.,
Clinical Professor of Surgery

PARKER SYMS, M.D.,
Clinical Professor of Surgery

ALVAH H. DOTY, M.D.,
Lecturer on Quarantine Sanitation

WILLIAM A. PURRINGTON, ESQ.,
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THEODORE C. JANEWAY, M.D.,
Lecturer on Medical Diagnosis

CHARLES H. LEWIS, M.D.,
Clinical Lecturer on Medicine

E. H. GRIFFIN, M.D.,
Clinical Lecturer on Diseases of the Throat

JOHN VAN DER POEL, M.D.,
Clinical Lecturer on Genito-Urinary Diseases

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Lecturer on Gynæcology

EUGENE W. CALDWELL,
Director Edward N. Gibbs Memorial X-Ray Laboratory

Special appointment for 1904 :

W. D. HALLIBURTON, M.D., F.R.S.,
PROFESSOR OF PHYSIOLOGY, KING'S COLLEGE, LONDON
Herter Lecturer on Pathological Chemistry

INSTRUCTORS AND DEMONSTRATORS

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HENRY S. STEARNS, M.D., *Instructor in Gynæcology*

JOHN H. HUDDLESTON, *Instructor in History Taking; Clinical Registrar*

GEORGE L. BRODHEAD, M.D., *Instructor in Obstetrics*

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A. D. MEWBORN, M.D., *Instructor in Dermatology*

PERCY G. STILES, PH.D., *Instructor in Physiology*

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P. S. BOYNTON, M.D., *Demonstrator of Anatomy*

J. EDGAR WELCH, M.D., *Instructor in Pathology*

C. F. S. WHITNEY, M.D., *Instructor in Bandaging and Surgical Dressing*

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HENRY W. WANDLESS, M.D., *Clinical Instructor in Ophthalmology*
 EBEN FOSKETT, M.D., *Clinical Instructor in Gynæcology*
 FRANCIS A. SCRATCHLEY, M.D., *Clinical Instructor in Electro-Therapeutics*
 HENRY L. WINTER, M.D., *Clinical Instructor in Nervous Diseases*
 SEYMOUR OPPENHEIMER, M.D., *Clinical Instructor in Laryngology*
 J. CLARENCE SHARP, M.D., *Clinical Instructor in Laryngology*
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 WILLIAM B. TRIMBLE, M.D., *Clinical Instructor in Surgery*
 O. D. F. ROBERTSON, M.D., *Clinical Instructor in Surgery*
 MATTHIAS NICOLL, JR., M.D., *Clinical Instructor in Pediatrics and Intubation*
 ELI LONG, M.D., *Clinical Instructor in Pediatrics*
 G. REESE SATTERLEE, A.M., M.D., *Instructor in Histology*
 PHILIP D. KERRISON, *Clinical Instructor in Otology*
 CATESBY JONES, M.D., *Clinical Instructor in Ophthalmology*
 GEO. H. BELL, M.D., *Clinical Instructor in Ophthalmology*
 WARREN S. ADAMS, A.M., M.D., *Instructor in Embryology*

ASSISTANTS

W. N. BERKELEY, M.D.,	} <i>Assistants to the Chair of Principles and Practice of Medicine</i>
JOHN H. HUBER, M.D.,	
ALBERT W. FERRIS, M.D.,	
H. MERRIMAN STEELE, M.D., <i>Assistant to the Chair of Pediatrics</i>	
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JOHN R. KNAPP, M.D., <i>Assistant to the Chair of Mental Diseases</i>	
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L. B. GOLDHORN, <i>Assistant in Applied Pathology</i>	
JOHN J. MOREHEAD, <i>Assistant Demonstrator in Operative Surgery</i>	
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THEODORE JACOB ABBOTT, M.D., <i>Assistant in Histology</i>	
THOMAS NEAL, M.D., <i>Assistant in Histology</i>	
MARVIN PECHNER, <i>Assistant to the Chair of Nervous Diseases</i>	
WM. M. FORD, M.D., <i>Asst. to Chair of Principles and Practice of Surgery</i>	
ALBERT E. SELLENINGS, M.D., <i>Assistant Demonstrator of Anatomy</i>	
J. FRIESNER, M.D., <i>Assistant in Laryngology</i>	
JOSEPH V. STANDISH, <i>Clerk</i>	

THE COLLEGE CLINIC

Department of Medicine

Chiefs of Clinic

WILLIAM J. PULLEY, M.D., S. A. BROWN, M.D.,
THEODORE C. JANEWAY, M.D.

Attending Physicians

P. D. SHULTZ, M.D., S. D. CURRAN, M.D.,
G. A. BLAKESLEE, M.D., C. J. ANTHONY, M.D.

Assistant Attending Physicians

L. WALTHERS, M.D., H. B. BRECKWEDEL, M.D.,
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Department of Surgery

Chiefs of Clinic

JOHN DOUGLAS, JR., M.D., W. B. TRIMBLE, M.D.

Attending Surgeons

C. S. JAMES, M.D., WM. H. MOOK, M.D.,
FREDERICK O. VIRGIN, M.D.

Assistant Attending Surgeons

H. KORMAN, M.D., HENRY KELLER, M.D.

Department of Gynæcology

Chief of Clinic

W. E. STUDDIFORD, M.D.

Attending Gynæcologists

EBEN FOSKETT, M.D., F. C. HECKEL, M.D.

Assistant Attending Gynæcologist

JAS. H. POTTER, M.D.

Department of Diseases of Children

Chief of Clinic

R. G. FREEMAN, M.D.

Attending Physicians

ELI LONG, M.D., MATTHIAS NICOLL, JR., M.D.

Assistant Attending Physicians

H. MERRIMAN STEELE, M.D., E. L. KELLOG, M.D.,
T. DEL. BUCKHALTER, M.D.

Department of Neurology*Attending Neurologists*

H. L. WINTER, M.D., F. A. SCRATCHLEY, M.D.

Assistant Attending Neurologists

WM. STEINACH, M.D., MARVIN PECHNER, M.D.,
J. B. GERE, M.D.

Department of Laryngology*Chief of Clinic*

C. G. COAKLEY, M.D.

Attending Laryngologists

W. A. CHISHOLM, M.D., SEYMOUR OPPENHEIMER, M.D.

Assistant Attending Laryngologists

C. H. BURR, M.D., S. INGERMAN, M.D.

Department of Dermatology*Chief of Clinic*

A. D. MEWBORN, M.D.

Attending Dermatologists

M. B. PAROUNAGIAN, M.D., GEO. H. CLOSE, M.D.

Department of Genito-Urinary Diseases*Chief of Clinic*

JOHN VAN DER POEL, M.D.

Attending Surgeons

T. A. KING, M.D., G. M. MUREN, M.D.

Assistant Attending Surgeons

E. R. PFARRE, M.D., W. E. BAILEY, F.R.C.S. Edin.,
WALTER U. REYNOLDS, M.D., HENRY KORMAN, M.D.
ISAAC LEWIS, M.D., OTTO C. SCHWERTFEGER, M.D.,
A. T. GAILLARD, M.D., PRINCE FRANCIS AUERSPERG, M.D.

Department of Ophthalmology*Attending Ophthalmologists*

GEO. H. BELL, M.D., HENRY W. WANDLESS, M.D.

Assistant Attending Ophthalmologist

A. J. HUEY, M.D.

Department of Otology*Attending Otologist*

P. D. KERRISON, M.D.

Department of Diseases of the Rectum*Chief of Clinic*

WM. C. LUSK, M.D.

Attending Surgeon

E. S. MCSWEENEY, M.D.

Apothecary

F. C. RAYMOND

Assistant Apothecary

W. H. WEYGANDT

Nurse

MISS MARY M. MOONEY

Assistant Nurse

MISS CORALYN E. BAKER

Masseur

R. A. DANIELS

Assistant Masseuse

MISS C. ADELE JACQUES

Registrar

WM. O'REILLY

GENERAL ANNOUNCEMENT

The Medical College of the New York University was established in its present form in 1898 by the union of the University Medical College and the Bellevue Hospital Medical College.

Graduates of both of the former colleges, as well as the graduates of the present consolidated college, have been placed upon the records of the New York University and are entitled to all the privileges of University Alumni.

An examination of the announcement for the session of 1903-1904 will show no radical changes in the methods of instruction from those followed during the past year, but many changes in the details of instruction in the various departments have been made with a view of presenting a more complete and carefully graded course and enlarging the clinical and bedside teaching both in the College Clinic and in the wards of the Hospital.

The object of the Faculty is now, as it was in the older schools, the professional training of men, most of whom are to devote their energies to the actual practice of medicine. The college will therefore steadfastly adhere to the principles of practical medical education, fitting its graduates for the practice of medicine on the basis of a thorough scientific training.

Clinical teaching is emphasized to the greatest possible degree, and is conjoined with and founded upon practical laboratory work, recitations, and didactic teaching. The advantage of a close personal relationship between the members of the Faculty and the individual members of the classes is recognized, and the instruction is so arranged that this relationship may be established to the fullest extent possible.

A full course of four years is required for the degree of M.D.

The session for 1903-1904 begins on Wednesday, September 30, 1903.

The buildings utilized for teaching purposes are as follows:

I. East College Building

The East College building is directly opposite the entrance of Bellevue Hospital on East Twenty-sixth Street, having a frontage of 100 feet between First Avenue and East River.

It contains two large lecture rooms, each capable of seating about 300 students. One of the lecture rooms is especially designed for clinical teaching and illustrative lectures.

There are a number of recitation rooms in which small sections of the classes are instructed by textbook recitations.

For a number of years this building was occupied by the University Medical College, and was amply sufficient for the requirements of medical education at that time. It now forms but a small part of the establishment which is necessary for the use of the classes at the present time.

II. New College Building

This building was erected by the Faculty of the Bellevue Hospital Medical College in 1897 and 1898 to meet the demands for the larger classes and the increase in the curriculum. It was transferred to the New York University at the time of the consolidation of the two Schools.

The new college building is situated on the corner of First Avenue and Twenty-sixth Street, and adjoins the Carnegie Laboratory, with which it is connected. The site is particularly fortunate, as it is well lighted both from the Avenue and Twenty-sixth Street. It is diagonally opposite the grounds of Bellevue Hospital, and convenient to the Department of Charities pier, at the foot of East Twenty-sixth Street, from which boats connect the city with the large institutions on Blackwell's, Ward's, and Randall's Islands.

This building is six stories high. It contains on the ground floor a complete clinic for the outdoor sick poor. This building also contains two large and splendidly lighted lecture rooms, completely equipped physiological and chemical laboratories, laboratories for clinical microscopy used in connection with the dispensary, and a large general laboratory used by the Department of Pathology. Working libraries form portions of the equipment in the Department of Physiology and Pathology, and are accessible to the students.

The Anatomical Department is also contained in this building.

This department includes a spacious well-lighted and ventilated dissecting room on the top floor, a demonstration room, rooms for prosecting and the preparation of anatomical specimens, and an anatomical museum.

There is also a bone room and an anatomical study room for the use of students.

A large pathological museum occupies part of one floor of this building, and is freely accessible to the students and to graduates in medicine.

The experience of the preceding sessions, during which time the building has been in use, has demonstrated its admirable adaptation to the purposes for which it was planned.

III. Carnegie Laboratory

The Carnegie Laboratory, the generous gift to the Bellevue Hospital Medical College of Mr. Andrew Carnegie, is situated at Nos. 338 and 340 East Twenty-sixth Street, adjoining and communicating with the New College building.

It is a five-story building, devoted exclusively to instruction and investigations in pathology, bacteriology, hygiene, and other affiliated subjects connected with medicine. There is one large auditorium for didactic teaching; a museum, well stocked with excellent specimens illustrative of disease; three large and well-lighted general laboratories for classes in histology, histological technique, bacteriology, and clinical microscopy; a special laboratory for experimental pathology; commodious quarters for the department of bacteriology, and a number of smaller rooms devoted to the work of preparation for the instruction of the College classes.

College Clinic

The College Clinic has classes for the treatment of general medical and surgical cases and of diseases of the eye, ear, nose, throat and skin, diseases of women and children, and venereal and nervous diseases, etc. The Clinic is one of the largest, if not the largest clinic in New York City for the treatment for the out-door sick poor. During the first five months of the present year more than 70,000 patients were treated. This statement affords a good indication of the almost unlimited amount of out-door clinical material, which is available for the students of this college, for clinical instruction and study. The hour cards for the third- and fourth-year classes are so arranged that, in addition to the stated clinics, at least two hours a day are available for practical clinical work in the College Clinic and in Bellevue Hospital.

Bellevue Hospital

A large number of the general clinics and most of the bed-side teaching to the fourth-year class is given in the wards of Bellevue Hospital.

The members of the Faculty, who are attending physicians and surgeons to the Hospital, hold regular clinics in the large amphitheatre, and small sections of the classes are taken in to the wards, where the students are required to examine patients suffering from various medical and surgical diseases. Students of the fourth-year class are regularly assigned to the care of cases in the wards under the supervision of the attending and house staffs.

The Hospital itself is one of the largest in this country and has always been distinguished for the abundance of its clinical material.

The Board of Estimates of New York City has, however, recently authorized an appropriation of three million dollars for the erection of a new Bellevue Hospital. Plans for the new building are now being drawn, and the Trustees of the Hospital expect to commence the erection of the new pavilions in the autumn of the present year.

Requirements for Admission

General Requirements

1. Candidates for the degree of M.D. must furnish satisfactory evidence of good moral character.

2. No entrance examinations are conducted at this College, but all students who matriculate with the intention of becoming candidates for the degree of doctor of medicine must obtain a "Medical Student's Certificate" according to *the rules and regulations of the New York State Board of Regents*. (See page 60.)

3. Students desiring to do special work may matriculate at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation at this College without full compliance with the terms of admission and graduation as set forth in this catalogue.

Registration and Matriculation

Students on entering the College will be required to register and pay the registration fee of \$5. They will receive a receipt for this fee, which receipt will be exchanged for a certificate of full or conditional matriculation when they shall have complied with the Regents' requirements for such matriculation. Students who have already been matriculated at a medical college in the State of New York, according to the Regents' requirements, and those who already hold medical-student certificates, will be matriculated immediately on registration.

Admission to Advanced Standing*

(a) REQUIREMENTS FOR ADMISSION TO ADVANCED STANDING IN THE FIRST YEAR

Graduates of the New York University Undergraduate College, Yale, Harvard, Cornell, Princeton, University of Pennsylvania, Johns Hopkins,

* Students will not be admitted to advanced standing if they have not satisfactorily completed the work in the colleges at which they have taken their previous courses.

Columbia, University of Michigan, and other accredited colleges, including colleges of Pharmacy and Dentistry, who have taken either a preparatory medical course or special courses in organic and inorganic chemistry, physics, or physiology, will be given credit for the work which they have done, and will be excused from the lectures and recitations upon these subjects and from the exercises of the chemical laboratory in the first year, provided they pass satisfactory examinations before the professors of these departments. This arrangement will enable such students to give more time to dissection and advanced laboratory work.

Students who have had training in microscopical technique or in histology will be given advanced work in the histological laboratory.

(b) REQUIREMENTS FOR ADMISSION TO THE SECOND YEAR

Students who fulfill the following requirements may enter the Second Year.

1. An amendment to the medical law passed by the Legislature of 1902 provides that the Regents may in their discretion accept as the equivalent of the first year of the four-year medical course evidence of graduation from a registered academic college course, provided that such college course shall have included not less than the minimum requirements prescribed by the Regents for such admission.

Students who desire to avail themselves of this exemption can obtain detailed information concerning the requirements prescribed by the Regents and the necessary blanks by applying to the Corresponding Secretary.

Students who have attended one or more courses in other medical colleges will be admitted to advanced standing in this College under the following conditions :

2. They must present evidence of having satisfactorily completed one full course of instruction in a registered medical college.

3. They must present evidence of having satisfactorily completed laboratory courses in Normal Histology, Chemistry, Bacteriological Technique, and Dissection, approximately equivalent to those included in the curriculum of this College during the first year, and,

4. They must pass examinations upon Anatomy, Physiology, Chemistry, and Normal Histology, similar to those taken by the students of the class to which they seek admission unless the credentials from the college where previous work has been done are accepted by the Faculty.

Students who pass the preliminary examinations in two of the following subjects, viz., Anatomy, Physiology, or Chemistry, may enter the Second Year Class. But all conditions must be removed before the beginning of the Third Year.

(c) REQUIREMENTS FOR ADMISSION TO THE THIRD YEAR

Students who fulfill the following requirements may enter the Third Year without conditions:

1. They must present evidence of having satisfactorily completed two full courses of instruction in an accredited medical college.

2. They must present evidence of having satisfactorily completed laboratory courses in Normal and Pathological Histology, Bacteriological Technique, Chemistry, Materia Medica, and Pharmacology, approximately equivalent to the courses included in the curriculum of this College, and they must also have completed two courses in Dissection, and,

3. They must pass examinations in Anatomy,* Physiology,* Chemistry,* Materia Medica, General Pathology, and Normal and Pathological Histology, similar to those taken by the students of the class to which they seek admission unless the credentials from the college where previous work has been done are accepted by the Faculty.

Students who pass examinations in three of the following subjects, viz., Anatomy, Physiology, Chemistry, General Pathology, Materia Medica, and Pharmacology, may enter the Third Year with conditions, but all conditions must be removed before the beginning of the Fourth Year.

(d) REQUIREMENTS FOR ADMISSION TO THE FOURTH YEAR

The requirements for admission to the Fourth Year are the same as those for admission to the Third Year, with the following additional requirements:

1. Students must present evidence of satisfactory completion of three full courses of instruction in an accredited medical college, including one course of instruction on the Theory and Practice of Medicine, the Theory and Practice of Surgery, Therapeutics, Obstetrics, and Gynæcology, and pass final examination in Therapeutics.

2. Evidence of practical instruction in Clinical Microscopy and Gross Pathology approximately equivalent to the courses in these subjects required in the curriculum of this College.

(e) REQUIREMENTS FOR ADMISSION TO SPECIAL COURSES

Graduates in medicine, or students who desire to pursue a special course and are not candidates for a degree, are admitted to registration as special students without the Regents' or other preliminary examination. Such special courses do not count in any way as a part of the four years' course of instruction, etc., required of candidates for the degree of

* Students who have passed in the subjects of anatomy, chemistry, physiology before the Licensing Board of the State of New York are exempt from further examination in these subjects. (See page 61.)

doctor of medicine. Further information regarding such courses, fees, etc., may be obtained on application.

Examinations for admission to advanced standing will be held at Carnegie Laboratory, 338 East Twenty-sixth Street, New York, on September 29-30, 1903, and June 6 and 7, 1904.

Requirements for Advancement in Course

Students are advanced from one year to the next upon passing satisfactory examinations at the close of the session. As in the academic departments of universities, the work of each year is considered final. There is no unnecessary repetition of subjects taught from year to year. Students who fail to pass the examination satisfactorily at the close of any year may be conditioned or rejected. If conditioned, an opportunity is afforded at the beginning of the next college year to make up these conditions under the same provisions as are required for admission to advanced standing, but if rejected the entire work of the year must be repeated. A student who has been once rejected in his examinations, and again fails, after repetition of the work, will be ineligible to further instruction in this College.

Requirements for Graduation. Session 1903-1904

Students who have completed all of the work required in the first three years, and have been admitted to the fourth-year class, may become candidates for graduation under the following conditions:

1. They must have followed the regular curriculum for the fourth year.
2. They must, as required by law, have reached the age of twenty-one years, and must file satisfactory certificates of good moral character and of four years' study of medicine. (Blank forms of certificates of study, including the certificate of age and of moral character, will be furnished by the Secretary on application.)
3. They must have filed a certificate from a regular physician in good standing or from a recognized institution, that they have attended at least six cases of labor.
4. They must have filed with the Corresponding Secretary of the Faculty the Regents' Medical Students' Certificate as evidence of having complied with the requirements for admission. (See page 60.)

Candidates are examined on the following subjects: Medicine, Surgery, Obstetrics, Gynæcology, and Pediatrics, and on the special branches of Medicine and Surgery. (See page 24.)

Candidates who are graduates of other accredited colleges are examined the same as undergraduates, and must fulfill all the requirements demanded of undergraduates.

Course of Study

The course of study required of all students who are candidates for the degree of M.D. extends over four years.

The session will begin Wednesday, September 30, 1903, and will continue until June, 1904.

All work in the curriculum set forth below in outline is required unless especially marked as optional.

The right is reserved to make at any time such alterations or additions to this curriculum as may be found desirable or necessary.

When instruction in any subject is continued for two or more years, the instruction given in each year is different, and students are required to pass satisfactory examinations at the end of each session before taking up the work of the following year.

The Faculty reserves the right to terminate the connection of any student with the institution *at any time* on the ground of what it regards as moral or mental unfitness for the profession, or improper conduct while connected with the College.

Schedules of the exercises for each year are distributed at the beginning of the session.

Outline of the Curriculum

First Year

ANATOMY.

Lectures, one a week throughout the session

Recitations, one a week, in sections, throughout the session.

Demonstrations, two a week, in sections, throughout the session

Practical work in dissection and osteology, averaging fifteen hours a week.

NORMAL HISTOLOGY.

Laboratory work, one three-hour exercise a week throughout the session.

Lectures, one a week, throughout the session.

PHYSIOLOGY.

Lectures, three a week in the second half of the session

Recitations, one a week, in sections, during the second half of the session.

CHEMISTRY AND PHYSICS.

Lectures, four a week throughout the session.

Recitations, two a week throughout the session.

Laboratory work, six hours a week, in sections, throughout the session.

BACTERIOLOGICAL TECHNIQUE.

Laboratory work, four hours a week during half of the session.

Standing of a Student at the End of the First Year

The standing of a student at the end of the first year is determined by :

(a) A written examination, on the topics covered by the courses of instruction in Anatomy, Physiology, Chemistry and Physics and Histology.

(b) A practical examination in Anatomy and the Laboratory Courses given.

(c) A record of his practical work and recitations.

Second Year**ANATOMY.**

Lectures, two a week throughout the session.

Recitations, one a week, in sections, throughout the year.

Demonstrations, two a week, in sections, throughout the session.

Practical work in dissection, etc., averaging fifteen hours a week.

PHYSIOLOGY.

Lectures, six a week in first half of the session.

Recitations, two a week during first half of the session.

Laboratory work, six hours each week during first half of the session.

Conferences during last half of the session.

PHYSIOLOGICAL CHEMISTRY AND TOXICOLOGY.

Lectures, two a week throughout the session.

Recitations, one a week throughout the session.

Laboratory work, three hours a week throughout the session.

GENERAL PATHOLOGY.

Lectures, one a week throughout the session.

Recitations, one a week throughout the session.

HISTOLOGY.

Laboratory work, two hours a week in the Histology of the Nervous System and Embryology, during second half of the session.

PATHOLOGICAL HISTOLOGY.

Laboratory work, two hours a week throughout the session.

Recitations, one a week throughout the session.

MATERIA MEDICA AND PHARMACOLOGY

Lectures, four a week throughout the second half of the session.

Recitations, one a week throughout the second half of the session.

Laboratory work, one three-hour exercise a week throughout the second half of the session.

BANDAGING AND SURGICAL DRESSING.

Practical work, one hour a week, in sections, during first half of the session.

PHYSICAL DIAGNOSIS.

Practical work, in sections, during second half of the session.

CLINICS.

Elementary Medical Clinic, one a week during second half of the session.

Elementary Surgical Clinic, one a week during second half of the session.

Standing of a Student at the End of the Second Year

The standing of a student at the end of the second year is determined by :

(a) Final examinations covering the entire subjects of Anatomy, Physiology, Physiological Chemistry and Toxicology, Materia Medica and Pharmacology, and an examination on the topics covered during the year in General Pathology.

(b) Practical examinations in Anatomy, Physiological Chemistry, Pathological Histology, and Embryology and Histology of Nervous System.

(c) A record of his practical work and recitations.

Third Year**PRINCIPLES AND PRACTICE OF MEDICINE.**

Lectures, four a week throughout the session.

Recitations, two a week throughout the session.

Clinical Lectures in Bellevue Hospital, two a week throughout the session.

Clinical Lectures in the College Clinic, one a week throughout the session.

PRINCIPLES AND PRACTICE OF SURGERY.

Lectures, four a week throughout the session.

Recitations, two a week throughout the session.

Clinical Lectures in Bellevue Hospital, two a week throughout the session.

Clinical Lectures in the College Clinic, one a week throughout the session.

PEDIATRICS.

Lectures, one a week first half of the session.

Instruction in physical examination of infants and children during second half of the session.

OBSTETRICS

Lectures with clinical demonstrations, two a week throughout the session.

Recitations, one a week throughout the session.

GYNÆCOLOGY.

Lectures, one a week throughout the session.

Recitations, one on alternate weeks throughout the session.

Clinical Lectures in Bellevue Hospital, one a week throughout the session.

THERAPEUTICS.

Lectures, two a week throughout the session.

Recitations, one a week throughout the session.

MATERIA MEDICA AND PHARMACOLOGY.

Lectures, one a week throughout the first half of the session.

APPLIED PATHOLOGY, INCLUDING CLINICAL MICROSCOPY.

Laboratory work, two hours a week throughout the session.

Recitations, one a week throughout the session.

BACTERIOLOGY.

Practical advanced Bacteriology, two hours a week for one-half the session.

AUTOPSIES.

One autopsy a week, in sections, throughout the session.

GROSS PATHOLOGY.

Demonstrations, two a week, throughout the session.

SECTION TEACHING.

In Bellevue Hospital and the College Clinic:

1. Physical and Medical Diagnosis.
2. Surgical Diagnosis and Minor Operative Surgery.
3. Gynæcological Diagnosis.
4. Practical Therapeutics.
5. Pediatrics.

Standing of a Student at the End of the Third Year

The standing of a student at the end of the third year is determined by:

(a) Written examinations on the instruction given in Medicine. Surgery, Obstetrics, Gynæcology, Therapeutics (final) and Special Pathology.

(b) Practical examinations in Applied Pathology and Gross Pathology.

(c) A record of all recitations and practical work in the section classes.

Fourth Year

THEORY AND PRACTICE OF MEDICINE.

Clinics, three a week throughout the session

Section teaching in Bellevue Hospital, daily throughout the session.

Individual study of assigned cases in Bellevue Hospital and the College Clinic.

Methods of History Taking and Clinical Microscopy.

Conferences, two a week throughout the session.

THEORY AND PRACTICE OF SURGERY.

Clinics, three a week throughout the session.

Section teaching in Bellevue Hospital, daily throughout the session.

Individual study of assigned cases in Bellevue Hospital and the College Clinic.

Methods of History Taking and Clinical Laboratory.

Operative Surgery on the Cadaver, in sections.

Conferences, two a week throughout the session.

GENITO-URINARY SURGERY AND DISEASES.

Lectures or clinics, one a week throughout the session.

Section teaching in the hospital wards and the College Clinic.

ORTHOPEDIC SURGERY.

Clinical Lectures, one a week throughout the session.

Section teaching in the Out-Patient Department of Bellevue Hospital and the College Clinic.

MILITARY SURGERY.

Lectures, one a week for eight or more weeks.

PEDIATRICS

Clinical Lectures, one a week throughout the session.

Instruction in intubation during January and February.

Recitations, one a week, beginning in January.

Section teaching in hospital wards, the College Clinic and N. Y. Foundling Asylum and Willard Parker Hospital (Contagious Diseases).

OBSTETRICS.

Lectures, with clinical demonstrations, one a week throughout the session.

Section teaching in Practical Clinical Midwifery.

Operative Obstetrics on the Manikin, in sections.

GYNÆCOLOGY.

Clinics, one a week throughout the session.

Section teaching in Operative Gynæcology, and in Gynæcological Diagnosis in Bellevue Hospital, the Out-Patient Department, and the College Clinic.

THERAPEUTICS.

Section teaching in Applied Therapeutics in the hospital wards and the College Clinic.

PATHOLOGY.

Lectures, one a week on Special Pathology throughout the session.
Autopsies, practical exercises, twice a week, attended in sections.
Conferences, one a week throughout the session.

Exhibition of fresh specimens from Autopsies, twice a week throughout the session.

PATHOLOGICAL CHEMISTRY.

Lectures, one a week, for part of the session.

NERVOUS DISEASES.

Lectures or Clinics, one a week throughout the session.
Section teaching in Bellevue Hospital and the College Clinic.
Electro-Therapeutics—Section teaching.

MENTAL DISEASES.

Lectures or Clinics, one a week during first half of the session.

DERMATOLOGY.

Lectures, one a week throughout the session.
Section teaching in the hospitals and College Clinic.

OPHTHALMOLOGY.

Lectures, one a week throughout the session.
Section teaching in the College Clinic and hospitals.

OTOLOGY.

Lectures, one a week during second half of the session.
Section teaching in the College Clinic and other dispensaries.

LARYNGOLOGY AND RHINOLOGY.

Lectures, one a week during half the session.
Section teaching in the College and other clinics.

APPLIED BACTERIOLOGY AND HYGIENE.

Lectures, one a week throughout the session.
Laboratory exercises.

SHORT COURSES OF LECTURES OR DEMONSTRATIONS ON FOLLOWING SPECIAL SUBJECTS:

Medical Jurisprudence.
X-Ray Technique.
Quarantine Sanitation.
Electro-Therapeutics.
Hydrotherapy.
Life Insurance Examination.

LABORATORY WORK.

The Clinical Laboratory will be opened daily for the examination of blood, sputa, urine, etc., by students studying cases in the various section classes.

The Physiological Laboratory will be open to students desiring to do special work in physiological research.

The Chemical Laboratory will be open, when not occupied by the regular classes, to students desiring to do special work in chemistry.

The Pathological Laboratory and Museum are open to students desiring facilities for the examination of tissues from the hospitals, College Clinic and autopsies, or wishing to undertake original researches.

REVIEW RECITATIONS.

Review Recitations or Demonstrations in Anatomy, Physiology, Chemistry, Materia Medica, Therapeutics, and Medicine, Surgery, Obstetrics and Gynæcology. One a week in each subject (optional).

Standing of a Student at the End of the Fourth Year

The standing of a student at the end of the fourth year is determined by :

(a) Written examinations in Medicine, Surgery, Obstetrics, Gynæcology, and Pediatrics.

(b) Practical examinations in Medicine and Surgery.

(c) Written examinations in Special Pathology, Pathological Chemistry, Bacteriology, Nervous and Mental Diseases, and Dermatology. These topics are covered by one paper.

(d) A written examination in Orthopedic Surgery, Military Surgery, Genito-urinary Surgery and Diseases, Ophthalmology, Otology, and Laryngology and Rhinology. These topics are covered by one paper.

(e) Record of work in section classes and reports at conferences.

Tabulated Summary of Studies

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Anatomy, L. 1, R. 1, L. W. 15, D. 2.	Anatomy, L. 2, R. 1, L. W. 15, D. 2.	Medicine, L. 4, R. 2, S. C. 3.	Medicine, S. C. 3, Conf. 1.
Physiol., L. 3 ($\frac{1}{2}$), R. ($2\frac{1}{2}$).	Physiol., L. 6 ($\frac{1}{2}$), R. 2, L. W. $6\frac{1}{2}$, C. $1\frac{1}{2}$.	Surgery, L. 4, R. 2, S. C. 3.	Surgery, S. C. 4, Conf. 2.
Chemistry, L. 4, R. 2, L. W. 6.	Chemistry, L. 2, R. 1, L. W. 3.	Obstetrics, L. 3, R. 1.	Obstetrics, S., D. 1.
Histol., L. W. 3, L. 1.	Mat. Med., R. 2, L. W. ($2\frac{1}{2}$).	Gynæc., L. 1, C. 1, R. ($\frac{1}{2}$) S.	Gynæc., C. 1, S.
Bact., L. W. ($4\frac{1}{2}$).	Path. Histol., L. W. 2. R. 1.	Therap., L. 2, R. 1, S.	Therap., S.
	Gen'l Path., L. 1, R. 1.	Special Path., D. 2,	Ophth., L. 1, S.
	Bandaging, ($\frac{1}{2}$).	Applied Pathology, R. 1, L. W. 2.	Path., L. 1, Conf. 1, Ex. 2.
	Phys. Diag., 1.	Autopsy, 1.	Path. Chem., L. ($\frac{1}{2}$)
	Medicine, C. ($\frac{1}{2}$).	Pediat., L. ($1\frac{1}{2}$) S.	Hygiene, L. 1.
	Surgery, C. ($\frac{1}{2}$).	Surg. Anat., L. ($\frac{1}{2}$).	Autopsies, S.
		Path. Chem., L. ($\frac{1}{2}$).	Gen. Ur. Surg., L. 1, S.
		Bacteriology ($2\frac{1}{2}$).	Orthopedic Surg. L. 1 ($\frac{1}{2}$) S.
			Neural., L. 1, S.
			Pediat., L. 1, S.
			Otol., L. ($\frac{1}{2}$), S.
			Laryngol., L. ($\frac{1}{2}$), S.
			Mental., L. ($\frac{1}{2}$), S.
			Derm., L. 1, S.
			Special Subjects, 30 Lectures.

L=Lecture, R=Recitation. D=Demonstration, L.W.=Laboratory Work, C=Clinic,
S=Section teaching. Conf.=Conference. Ex.=Exhibition.

The figures indicate the number of hours per week.

($\frac{1}{2}$) = Half the session.

($\frac{1}{4}$) = Quarter of the session.

($1\frac{1}{2}$) = One hour per week for half the session.

($2\frac{1}{2}$) = Two hours per week for half the session.

($4\frac{1}{2}$) = Four hours per week for half the session.

($4\frac{1}{3}$) = Four hours per week for one-third of the session.

($6\frac{1}{3}$) = Six hours per week for one-third of the session.

Graduate Courses:

Special courses of instruction have been arranged for graduates in medicine. The courses are planned to occupy about six weeks each, but it may be possible for two, or perhaps more, of the

courses to be taken at the same time. Special provision has been made for those who do not wish to take the entire course, but to select certain topics only from each course. (Page 48.)

Methods of Instruction

ANATOMY

First Year

- I. LECTURES.—One a week throughout the session, on the anatomy of the bones, joints, muscles, and spinal nerves. Professor Prentiss.
- II. RECITATIONS.—One a week, in sections, throughout the session, on the subjects covered by the lectures. Professor Prentiss.
- III. DEMONSTRATIONS.—Two a week, to small sections, throughout the session, in conjunction with the practical work in Dissecting Room and Anatomical Study Room. The Demonstrators of Anatomy.
- IV. PRACTICAL WORK.—About fifteen hours a week are set aside for practical work in the Dissecting Room and Anatomical Study Room. For dissection, the body is divided into three parts: (*a*) The leg, including the abdomen; (*b*) The arm, including the thorax; (*c*) The head, face, and neck. Students are required to dissect at least one of each of these parts during the first year, and to repeat these dissections during the second year. Such dissections are only credited upon certificate from the Demonstrators of Anatomy.

Students when not dissecting will be assigned definite work in the Anatomical Study Room, where models, preserved specimens, frozen sections and fresh dissections are supplied. This work prepares the student for dissection, is obligatory, and only credited after examination.

Second Year

- I. LECTURES.—Two a week throughout the session, on the anatomy of the vascular system, the central nervous system, the cranial nerves, the viscera, and topographical anatomy. Professor Stewart.
- II. RECITATIONS.—One a week, in sections, throughout the session, on the subjects covered by the lectures. Professors Stewart and Prentiss.
- III. DEMONSTRATIONS.—Two a week, to small sections, throughout the session, in conjunction with the practical work in the Dissecting Room and Anatomical Study Room. The Demonstrators of Anatomy.
- IV. PRACTICAL WORK.—About fifteen hours a week throughout the session are set aside for practical work in the Dissecting Room and Anatomical Study Room. The students are required to repeat the

dissections made during the first year. They also receive special instruction in the anatomy of the central nervous system and the viscera. The Demonstrators of Anatomy.

Students when not dissecting will be assigned definite work in the Anatomical Study Room relating especially to visceral anatomy. This is obligatory, and serves as an introduction and aid to the dissections which follow.

Third Year

I. PRACTICAL WORK.—Facilities for making dissections are offered to students of the third and fourth years.

Facilities

The Dissecting Room occupies the entire top floor of the new College Building—is well lighted and ventilated, and is provided with lockers for the individual students.

The Anatomical Department possesses an Anatomical Study Room, in which the subject of anatomy is illustrated by dissections, preparations of the bones, with the muscular attachments marked upon them, frozen sections, preparations of the viscera, models, charts, etc.

Abundance of fresh and well-preserved material is supplied for dissection.

RESEARCH WORK.—Facilities will be provided for students and graduates in medicine who wish to do special or advanced work in anatomy.

PHYSIOLOGY

First Year

- I. LECTURES.—Two a week, throughout the second half the session, on the fundamental principles of Human Physiology, including a general discussion of the physiology of the cell. Professor Graham Lusk.
- II. RECITATIONS.—One a week throughout the second half of the session, on the subjects covered by the lectures. Dr. Stiles.
- III. WRITTEN RECITATIONS.—In addition to the weekly oral recitations, there will be monthly written recitations on the subjects studied during the preceding month. Professor Graham Lusk.

Second Year

- I. LECTURES.—Six a week throughout the first half of the session. In this course the subject of physiology is presented on broad scientific lines. The lectures are illustrated by experiments and demonstrations, for which purpose the Department of Physiology is fully equipped with modern apparatus. Professor Graham Lusk.

- II. RECITATIONS.—Two a week throughout the first half of the session, on the topics covered by the lectures, and, in addition, occasional written recitations on the subjects that have been studied during the course. Dr. Stiles.
- III. PRACTICAL WORK.—Six hours a week of practical work in the Physiological Laboratory, during which the student will be instructed in some of the methods of physiological experimentation, and will make observations on experiments which he himself conducts. After the work for the day has been finished a conference is held for the comparison of the results obtained and for theoretical discussion. So far as possible the subject matter of this course will be made to coincide with that of the didactic lectures.
- SYNOPSIS: Dissection of a freshly killed rabbit; microscopic study of unicellular organisms; electrical stimulation of frog's muscle; artificial production of jaundice; the derivation of tetanus; frog's circulation and heart beat; electrical stimulation of the terrapin heart and vagus; pulse tracings; measurement of human blood pressure; fatigue of muscle; measurement of work done by a muscle; demonstration of Pflueger's law; demonstration of electric currents in muscle; the spinal reflexes; electrical stimulation of human muscles and nerves; stimulation of the motor cortex of the brain; the eye; the capillary electrometer; measurement of réaction time; measurement of the velocity of the nervous impulse; taste, smell, touch and pain sensations; the influence of the nerves in respiration and the blood pressure experiment. Professor Graham Lusk and Dr. Stiles.
- CONFERENCES.—One hour a week, during the last half of the session. Certain selected students read papers upon assigned subjects, the literature of which has been carefully reviewed by them. Informal discussion by the class follows. Prof. Graham Lusk.

Facilities

Aside from the Laboratory in which the required practical work is carried on, the new College Building contains a Physiological Laboratory for more advanced work, and a Physiological Library adjoining. These facilities will be accorded to all students who desire to use them.

The Louis C. Tiffany Research Fellowship in Physiology

Dr. Arthur R. Mandel has been appointed to the fellowship for the ensuing year.

CHEMISTRY AND PHYSICS

First Year

- I. LECTURES.—Four lectures a week throughout the session, divided into the following successive courses:

- A. PHYSICS.*—An introductory course designed to prepare the student for the subsequent lectures on chemistry. The course will include the following subjects: The constitution of matter; the physical forces and the conservation of energy; physical units and measurements; the physical properties of solids, liquids, and gases; heat, light, sound, electricity, and magnetism. Professor Mandel.
- B. THEORETICAL AND INORGANIC CHEMISTRY.*—An introductory course in general chemistry, including a discussion of the laws governing chemical action and a description of the properties of the various elements and their compounds. During this course the student will be instructed in the significance and use of chemical symbols, formulæ, equations, stoichiometry. Professor Mandel.
- C. ORGANIC CHEMISTRY.*—In this course, the theoretical considerations introduced in course B will be extended to the complex compounds of carbon forming organic substances, the physical and chemical properties of which will be discussed. The homologous series of compounds forming the aliphatic, aromatic and heterocyclic groups, and their derivatives, will be discussed. Professor Mandel.
- II. RECITATIONS.*—Two a week throughout the session, on the topics covered by the lectures. Professor Mandel.
- III. LABORATORY WORK.*—Six hours a week throughout the session; the class being divided into sections. During this course, practical instruction is given in qualitative, volumetric and quantitative analysis, and in other subjects pertaining to general chemistry. Professor Mandel and Dr. Jackson.

Second Year

- I. LECTURES.*—Two a week throughout the session, embracing the following courses:
- D. ORGANIC CHEMISTRY.*—This course constitutes a review of Course C, given during the first year. Professor Mandel.
- E. PHYSIOLOGICAL CHEMISTRY.*—This course will include a discussion of the following subjects: The chemical composition of the animal body; proteins; carbohydrates and fats; the chemistry of the animal cell; the chemistry of blood and other animal fluids; ferments and enzymes; the chemistry of digestion, assimilation, metabolism and foods; secretion and excretion, and the chemistry of some of the morbid conditions, especially those affecting the character of the urine, will be given in detail. Professor Mandel.
- F. TOXICOLOGY.*—This course will include the classification of poisons and their chemical and physiological detection and identification; the effects of and antidotes for the corrosive, metallic, and organic

poisons, and the occurrence and production of poisonous substances within the body or in articles of food. Professor Mandel.

- II. RECITATIONS.—One a week throughout the session, on the topics covered by the lectures. Professor Mandel.
- III. LABORATORY WORK.—Three hours a week throughout the session. Practical instruction will be given, as far as possible, upon the subjects covered by the lectures, including the analysis of urine. Professors Mandel and Jackson.

Facilities

The Chemical Department is equipped with apparatus and a collection of chemicals, with which the lectures are abundantly illustrated by experiments and demonstrations. The Chemical Laboratory is well supplied with most recent appliances and fixtures, and every facility is given the student to acquire a practical knowledge in chemical manipulations and testing. A small working library of chemical works of reference is also accessible to the students.

Facilities will be accorded to those students who desire to do advanced work in chemistry under the direction of the Professor of that Department.

MATERIA MEDICA AND PHARMACOLOGY

Second Year

- I. LECTURES.—Four a week throughout the second half of the session. In this course a systematic and detailed study of the various drugs used in therapeutics is taken up. This comprises a study of the physical and chemical properties of drugs; their action on the body, as medicines or poisons; the indications for their use, based on their actions, and the forms and dosage in which they are prescribed. Toxicology, including symptoms and treatment, is also fully entered upon. The lectures are illustrated wherever possible, by experiments and demonstrations. Dr. Wallace.
- II. RECITATIONS.—One a week throughout the second half of the session, on the subjects discussed in the lectures.
- III. LABORATORY WORK.—One three-hour exercise a week throughout the second half of the session. During a part of the time given to this course the students individually study the actions of the more important drugs by means of animal experiments, investigating the exact action of and effects produced by drugs on the nervous system, circulation, kidney, intestine, eye, etc. The remainder of the time is devoted to making pharmacopœial preparations, studying incompatibilities, and writing and preparing prescriptions. Dr. Wallace.

Third Year

MATERIA MEDICA AND PHARMACOLOGY

- I. LECTURES.—One a week throughout the first half of the session. This is a continuation of the course given in the second year. The drugs used in the practice of medicine are divided into groups, according to their action on the body. The comparative action and therapeutic value of the members of each group are fully discussed. Dr. Wallace.

Facilities

An adequate supply of apparatus and material is furnished for the experimental work, which is carried on in the Physiological laboratory. The laboratory belonging to this department is well equipped with a large assortment of drugs and their preparations, and apparatus necessary for pharmaceutical and chemical work.

THERAPEUTICS

Third Year

- I. LECTURES.—Two a week throughout the session. In this course there will be a systematic consideration of the use of drugs in the treatment of disease. These lectures will be illustrated in the clinical work in the College Clinic and in Bellevue Hospital. Professor Le Fevre.
- II. RECITATIONS.—One hour a week throughout the session, covering the subjects of the lectures. Professor Le Fevre and Dr. S. A. Brown.
- III. PRACTICAL WORK.—The class is divided in sections, and students are given practical instruction in the hospital, in the use of various therapeutic measures and appliances, such as venesection, use and administration of baths of various kinds, the application of poultices, blisters, massage, the administration of anæsthetics, etc. Dr. Huddleston.

Fourth Year

- I. LECTURES on special branches of therapeutics, including electrotherapeutics, hydrotherapy, massage, etc.
- II. PRACTICAL WORK.—In connection with the bedside teaching in clinical medicine in Bellevue Hospital and College Clinic every opportunity is afforded for a thorough training in practical therapeutics.
- III. CONFERENCES.—Reports on assigned cases in the Hospital and College Clinic will be presented at these conferences, and the indications for treatment especially considered. The comparative value of the various medicinal and therapeutic means generally employed in the treatment of different diseases will be fully discussed.

NORMAL HISTOLOGY

First Year

- I. **LABORATORY WORK.**—Three hours a week throughout the session. At these exercises the normal tissues and organs of the body will be studied and demonstrated under the microscope. For this purpose a complete set of carefully prepared sections is provided for each student. The students also receive practical instruction in the methods of histological technique. As a knowledge of the minute structure of the various parts of the body is necessary for an understanding of their activities, the specimens used for demonstration have been prepared with special reference to the physiological functions of the tissues present; the course is, therefore, closely affiliated with the instruction in both anatomy and physiology. It also serves as a basis for the future studies in pathology. Recitations covering both the topics treated in the lectures and the practical work will be held at regular intervals. Dr. Satterlee
- II. **LECTURES.**—One a week throughout the session, designed to supplement the text-books and point out the relations between structure and function. Dr. Satterlee.

Second Year

- III. Two-hour laboratory exercises, each week, during half the session on the Histology of the Nervous System and Embryology.

PATHOLOGY

Second Year

General Pathology

- I. **LECTURES.**—One a week throughout the session, on the following subjects: The normal structure and functions of the animal cell; structural changes accompanying quantitative and qualitative disturbances in the functional activities of the cell; structural changes due to damage, including the phenomena of inflammation and fever; disturbances of the circulation; infiltrations; tumors; anomalies of development; animal parasites. Professor Dunham.
- II. **RECITATIONS.**—One a week throughout the session, on the topics of the lectures and in the application of the principles elucidated in the lectures to concrete cases of disease. Professor Dunham.

Pathological Histology

- I. **LABORATORY WORK.**—Two hours a week throughout the session, in the Histological Laboratory. In this course the students receive stained and mounted sections of tissues illustrating the various

morbid conditions that can be recognized under the microscope, and the various tumors. These specimens are demonstrated to the students. Prof. Brooks and Dr. Welch.

- II. RECITATIONS.—One a week, throughout the session, on Pathological Histology. Prof. Brooks and Dr. Welch.

Third Year

Applied Pathology and Clinical Microscopy

- I. LABORATORY WORK.—Two hours a week, throughout the session, are devoted to practical instruction in the microscopical and chemical examination of urine, sputum, blood, vomitus and stomach contents, feces, inflammatory exudates, etc., with a view to the diagnostic significance of the results. Bacteriological methods will also be applied when serviceable. Dr. Arthur Mandel and Mr. L. B. Goldhorn.
- II. RECITATIONS.—One hour a week is devoted to a recitation from a text book upon clinical diagnosis and upon the methods used in the laboratory work and the interpretation of results. Dr. Mandel.

Gross Pathology

- I. DEMONSTRATIONS.—Two demonstrations of fresh material from autopsies are given to sections of the class each week throughout the session. At these demonstrations the students are taught systematic methods of examining organs, making records, and arriving at diagnoses of the morbid conditions existing. Dr. Welch.
- II. AUTOPSIES.—One autopsy a week before sections of the class, throughout the session. At this exercise, instruction is given in the technique of performing autopsies, the preparation of protocols, and the steps of a systematic examination directed toward determining the causes of death. Dr. Welch.

Fourth Year

Special Pathology

- I. LECTURES.—One lecture a week, throughout the session, is devoted to a systematic survey of the lesions presented by the various organs in different morbid conditions, to the special pathology of the nervous system, etc. Professors Dunham and Brooks.

Gross Pathology

- I. AUTOPSIES.—Each student is required to make one or more autopsies under the direction of an instructor. For this purpose two exercises are provided each week, throughout the session, which are attended by the students in sections. At these autopsies the students

are expected to make a careful examination of the body and to prepare reports, which, together with their interpretation of the cases, are presented for discussion at the Pathological Conferences. Prof. Brooks and Dr. Welch.

II. Exhibitions of fresh specimens from autopsies.

Pathological Conferences

Once a week, throughout the session, there will be a Pathological Conference, at which the reports on cases that have had post-mortem examinations will be read by members of the class. These reports will then be discussed by the class and the presiding instructors. Special emphasis will be placed upon the nature and probable sequence of the lesions found and upon their explanation of the symptoms and signs presented by the patient during life. This discussion will be followed by an analysis of the case with special reference to the probable causes of death. Professors Dunham and Brooks and Dr. Welch.

Facilities

The Pathological Department is equipped with a large and well-stocked museum of morbid specimens, with a workroom in which such specimens are prepared for the museum, with a clinical laboratory fitted for the examination of material from the Hospital and College Clinic, and with an amphitheatre in which demonstrations are given. In addition to these, there is ample accommodation for students desiring to do advanced work in Pathological Histology or Bacteriology.

The Clinical Laboratory is open to those students of the fourth year who are required to make examinations of material from cases in the Hospital or the College Clinic in connection with their section teaching in clinical medicine and surgery. It is provided with the necessary equipment for the examination of urine, sputa, blood, inflammatory exudates, etc., contains a small working library, and the instructors in Clinical Microscopy and Pathology will assist the students in applying the appropriate methods of examination and in planning such original researches as they may desire to undertake.

BACTERIOLOGY AND HYGIENE

First Year

- I. PRACTICAL WORK.—Two hours, twice a week, during one-half of the session. In this course the students are taught the technique of bacteriological examinations; the methods of obtaining pure cultures of bacteria and of studying species after their isolation. During the course they have opportunity to study those species which are of medical importance and not infrequent occurrence. Dr. Wilson.

Third Year

- I. PRACTICAL WORK.—Two hours a week one-half the session. This laboratory course includes the practical application of bacteriology to the diagnosis of disease and includes the bacteriological examination of sputum, feces, etc., as well as the culture and recognition of pathogenic micro-organisms. Professor Park and Dr. Flournoy.

Fourth Year

- I. LECTURES.—One a week, throughout the session, on Applied Bacteriology and Hygiene. The course will include instruction in the relations between bacteria and disease; Personal, Household, and Public Hygiene, embracing discussions of the influence of water, foods, ventilation, plumbing, drainage, and sewerage upon health. The relations of bacteriology to the prevention, diagnosis, and treatment of disease will be especially dwelt upon. Professor Park.
- II. PRACTICAL WORK.—A short laboratory course will be given on the practical application of bacteriology to the diagnosis of disease. The students will also have an opportunity to witness the practical methods of preparing and testing diphtheria antitoxin and vaccine virus. Professor Park and Drs. Wilson and Flournoy.
- III. Students receive additional instruction in applied Bacteriology during fourth year in the Clinical Laboratory.

MEDICINE

Second Year

- I. ELEMENTARY CLINIC.—Once a week, during the second half of the session, an elementary clinic is held, at which the students are taught to consider cases of disease as illustrating departures from the physiological condition. The course is intended to introduce to the students cases of disease, in which there are clearly defined manifestations of disturbances in the functions of some particular organ or system of organs. Dr. Theodore C. Janeway.
- II. PHYSICAL DIAGNOSIS.—Practical exercises in the methods of physical diagnosis. For this exercise the class is divided into sections.

Third Year

- I. LECTURES.—Four lectures a week, two each by Professor Smith and Professor Biggs, throughout the session. In this course thorough consideration will be given to all of the more important diseases.
- II. RECITATIONS, covering the matter considered in the lectures, will be held alternately by Professors Smith and Biggs and Drs. Carlisle and Huddleston.

- III. CLINICS.—Two clinics a week in Bellevue Hospital throughout the session, by Professors Janeway, Smith, and Biggs, and one clinical lecture in the College Clinic, by Professors LeFevre and Robinson.
- IV. PRACTICAL WORK.—Hospital, bedside and dispensary teaching, in medical and physical diagnosis, to small sections of the class in the wards of Bellevue Hospital, the Out-Patient Department of Bellevue Hospital, and the College Clinic.

Fourth Year

There are no didactic lectures on Medicine during the Fourth Year. The work is wholly practical and clinical.

- I. CLINICS.—Three general clinics a week throughout the session. Professors Janeway, Smith, Biggs, LeFevre and Robinson.
- II. SECTION TEACHING.
1. In Bellevue Hospital. The entire fourth-year class is assigned to practical work in Bellevue Hospital daily from 9 to 11 A.M. Students are regularly placed in charge of cases in the wards, are required to take the histories, make daily notes of the progress of the disease, and microscopical and bacteriological and chemical examination of the blood, sputum, urine, etc. They watch the treatment as conducted by the attending staff. They thus have opportunities to study the natural history of disease as presented in the patients, and can follow cases of typhoid fever, pneumonia, etc., throughout their course from the beginning to their termination, and in event of death the autopsies. The bacteriologic and microscopic work is done under the supervision of special instructors assigned for this purpose.
 2. In Other Hospitals. Clinics and Section Teaching will be given as time permits by the members of the Faculty on duty in other hospitals of the city, similar in character to that given in Bellevue Hospital. Members of the Faculty are attached to the attending staffs of the City Hospital, Hospitals of the Almshouse and Workhouse, Randall's Island Hospital, St. Vincent's, Presbyterian, St. Luke's, Columbus, Gouverneur, Harlem, Lebanon, General Memorial Hospital, New York Foundling Hospital, and the New York Eye and Ear Infirmary, etc.
 3. In the College Clinic and the Out-Patient Department of Bellevue Hospital. Practical clinical instruction in physical and medical diagnosis will be given to the students in sections by members of the Faculty and instructors in the College Clinic and the Out-Patient Department of Bellevue Hospital.

- III. **INDIVIDUAL STUDY.**—Members of the graduating class will from time to time be assigned to special cases for study in the wards of Bellevue Hospital, in the Out-Patient Department and in the College Clinic. Students will be expected to make complete clinical examinations of these cases, prepare histories, and make the necessary examinations in the Clinical Laboratories of the various secretions of the body, such as the sputum, urine, blood, stomach contents, intestinal discharges, etc., under the direction of the Instructor in Clinical Microscopy.
- IV. **MEDICAL CONFERENCES.**—Reports on the cases thus assigned will later be made at medical Conferences. At these Conferences students will discuss the case with the Professor or Instructor, and will be expected to be prepared to answer questions in relation to the cases, and to discuss it with other students in the section. From time to time special topics may be assigned to various members of the class for study and the presentation of short papers for discussion at the Conferences by the Professors and the students.
- V. **Systematic instruction in methods of taking histories and in prescription writing and practical therapeutics** will be given to small sections of the class in the Clinic and in the hospital.

SURGERY

Second Year

- I. **PRACTICAL WORK.**—Once a week the first half of the session instruction in the uses and application of bandages, plaster of Paris, and other surgical dressings will be given to sections of the class. In these exercises the students will be required to apply the dressings under the personal supervision* of the instructor. Dr. Whitney.
- II. **CLINIC.**—One elementary surgical clinic a week second half the session. At these exercises the students will receive elementary instruction in the recognition of the commoner surgical conditions and in applying the practical features of their instructions in anatomy, pathology and bacteriology to the diagnosis and treatment of the lesions presented by the patients. Dr. Haubold.

Third Year

- I. **LECTURES.**—Four a week throughout the session, on the Principles and Practice of Surgery. In these exercises thorough consideration will be given to general, regional, and operative surgery. The class will be presented with a systematic classification of the topics taught. Professors Bryant, Curtis and Stewart.

- II. RECITATIONS.—Two a week, throughout the session, on the subjects covered by the lectures. Professor Curtis and Dr. Haubold.
- III. CLINICS.—Two general clinics a week, throughout the session, in Bellevue Hospital, by Professors Bryant, Curtis and Stewart, and one clinical lecture a week in the College Clinic, by Professors Erdmann and Garmany.
- IV. SECTION TEACHING.
In the College Clinic and Out-Patient Department of Bellevue Hospital. Sections of the class will receive instruction in the surgical diagnosis and treatment of "walking cases."
- V. PRACTICAL WORK IN OPERATIVE SURGERY.—In small sections each member of the class will receive not less than thirty lessons of practical instruction in the technique of operative procedures on the cadaver. This course is obligatory and will embrace: Ligaturing the chief arteries of the body, the more usual amputations and resections of joints, the common operations of a general practice, intestinal suturing, etc.
- The members of the class are required to perform the operations under the observation of competent instructors.

Fourth Year

- I. CLINICS.—Three general surgical clinics a week, throughout the session, in Bellevue Hospital and the College Clinic. Professors Bryant, Curtis, and Stewart.
- II. SECTION TEACHING.
1. Practical work in Bellevue Hospital. In small sections, under competent supervision, the students of this class are required in the surgical wards of the Hospital to practise history-taking, and to familiarize themselves with the details of the diagnosis, care and treatment of patients, in all essential practical respects. The histories of patients and the conclusions resulting from their study by the students are utilized as a means of instruction by the professors in charge of the surgical conferences. In this manner the entire graduating class is continuously informed regarding the practice of the surgical wards, and each member in turn is afforded a golden opportunity of gaining a degree of practical surgical experience, under responsible guidance, often unequaled by many years of private practice. Professors Bryant, Curtis, Stewart and Lusk.
 2. In the College Clinic and Out-Patient Department of Bellevue Hospital. Sections of the class will receive practical instruction

in the diagnosis and treatment of ambulatory cases of surgical disease. Each student is expected to apply the common dressings and apparatus employed in the treatment of wounds and surgical deformities.

3. In the City, St. Luke's, and other hospitals, clinics and section teaching will be given by the professors on duty to the members of the graduating class during the session.

III. PRACTICAL WORK IN THE HOSPITAL OUTLINED.—Surgical cases in the hospital will be assigned to individual students for special study. They will be required to take the histories of the cases, make such examinations of blood, urine, morbid specimens, etc., as may be necessary for diagnosis, and outline the proper treatment. Reports of these cases will be prepared by the students having them under observation, which will be read by them at the surgical conferences. Also special opportunities will be afforded to study the administration of anæsthetics. Students will be given instruction in bandaging and the application of surgical appliances; also, they will be taught at the *bedside* to examine, diagnosticate and treat surgical diseases and injuries.

In the *operating room*, small sections of the class will receive instruction in the treatment of surgical cases, including amputations, fractures, dislocations, appendectomy, etc. This plan of instruction enables the student to become familiar with the special and general requirements of the surgical treatment of miscellaneous cases.

IV. SURGICAL CONFERENCES.—Two a week throughout the session. These conferences will be presided over by one of the professors of surgery and one or more of the assistants to the chair of surgery. The reports of cases prepared by the students will be read and discussed by the class, after which the professor will examine the class on the chief features and importance of the cases and elucidate any points which may remain in doubt.

V. OPERATIVE SURGERY.—In small sections each member of the class will receive frequent lessons of two hours each in practical instruction in the technique of performing operations on the contents of the Cranium, Thoracic and Abdominal Viscera. Neurectomy, Trephining and operations on the Intestines, the Stomach and the solid Viscera, for injury and disease, comprising Intestinal resection, anastomosis, etc. These lessons are optional, being for those desirous of increased opportunity for special surgical purposes, and are practiced by each student under the guidance of competent instructors.

VI. SPECIAL OPTIONAL COURSE IN OPERATIVE SURGERY, ETC.—Students receiving a sufficiently high rating in the requirements during their first three years, will be permitted, in small sections, to take a course in surgery in the fourth year, consisting of surgical anatomy and operations on the cadaver, an hour each week, respectively. The surgical operations in this course will be, as a whole, of a comprehensive character and supplemented by opportunities to witness major unusual operations and to determine in the clinical laboratory the morbid features of the cases. In some instances operative practice on living tissues will be required, and experimental work will be encouraged. Professors Bryant, Curtis, Stewart, and W. C. Lusk and Dr. Haubold.

Military Surgery

During the early part of the term a course of eight or more lectures will be delivered by the Professor of Military Surgery, Major Louis A. La Garde, Surgeon, U. S. A.

A few lectures will include the subject of the examination of recruits, camp hygiene, battle statistics, field organization of the Medical Department in war; following which, the course will deal largely with the early history of guns and missiles, the recent change in the armament of the different nations, a recital of the experimental work of the Military Surgeons of various countries with the old and new rifles upon animate and inanimate objects, and the effects of the steel armored reduced calibre bullets in the Hispano-American and South African wars. The course will terminate with an exhibition of skiagrams and lantern slides, showing lodged missiles from different kinds of firearms, as well as numerous lesions in the soft and bony parts.

Genito-Urinary Surgery and Diseases

Fourth Year

- I. LECTURES.—One a week throughout the session. This course of lectures will include a systematic presentation of the pathology, diagnosis, and treatment of diseases of the penis, urethra, prostate, seminal vesicles, testis, bladder and kidneys. The use of the cystoscope and endoscope will also be demonstrated as well as the valuable diagnostic aid derived from ureter catheterization. The course is abundantly illustrated with cases of the diseases under discussion, and each student in turn is given the opportunity to personally examine such illustrated cases. Professor Brown.
- II. SECTION TEACHING.—Small sections of the class will receive practical instruction in the diagnosis and treatment of genito-urinary diseases, including the use of the endoscope and cystoscope with catheterization of the ureters in Bellevue Hospital and the College

Clinic, under the direction of Professor Brown, Drs. Van der Poel, Muren and Ayres.

- III. SPECIAL WORK.—The facilities of the Clinical Laboratory are at the disposal of students desiring to use them for the study of cases.

Orthopedic Surgery

Fourth Year

- I. LECTURES.—One clinical lecture a week throughout the session, in the College, where cases descriptive of the various deformities and of different joint diseases will be presented in person and illustrated upon the screen. Professor Sayre.
- II. SECTION TEACHING.—Practical instruction in the diagnosis and treatment of cases in the College Clinic and the Out-Patient Department of Bellevue Hospital. Professor Sayre.

Diseases of the Rectum

Twelve lectures will be given on the surgical anatomy of, diseases of, and operations on, the rectum, illustrated by special dissections, and instrumental demonstrations to small sections in the hospital wards and College Clinic. The demonstrations will be given immediately under the observation and with the aid of the students. Professor W. C. Lusk.

X-RAY TECHNIQUE

A short course of instruction in the use of the Roentgen Rays in medicine and surgery will be given in the Edward N. Gibbs X-Ray Laboratory.

The course will include: (1) A few lectures and demonstrations on the various forms of X-Ray apparatus. (2) Practical instruction in the technique of fluoroscopic examinations and radiography. (3) Demonstrations and instruction in the correct interpretation of radiographs.

The X Ray Laboratory contains a very complete equipment of appliances for X-Ray work and a collection of several hundred radiographs, showing fractures, dislocations, malignant growths, bullets and needles in the body, and pathological changes of heart and lung. E. W. Caldwell.

OBSTETRICS

Third Year

- I. LECTURES.—Two a week, throughout the session, on the Theory and Practice of Obstetrics. These lectures will be didactic to a limited extent only, and will be illustrated by charts, diagrams, specimens, and instruments. Professor Flint.
- II. RECITATIONS.—One recitation a week throughout the session, upon the subject matter of the lectures. Dr. Brodhead.

Fourth Year

- I. LECTURE.—One a week throughout the session. These lectures will be devoted mainly to the consideration of the practical part of obstetrics and including the management of pregnancy and the care of mother and child after delivery. They will be illustrated, when possible, by cases occurring in the service of the Emergency Hospital, and be given either in the amphitheatre of Bellevue Hospital or in the college. Unusual or severe obstetrical operations will be performed before the class whenever the opportunity occurs. Professor Flint.
- II. RECITATIONS.—Regular recitations will be held on the subject-matter of the lecture. Professor Flint.
- III. SECTION TEACHING.—Rooms in the College Building opposite the entrance of the hospital grounds are provided for a section of two men. They are required to attend cases of confinement at the Emergency Hospital for a period of two weeks, during which time they will have an opportunity to witness all deliveries occurring both during the daytime and at night. This course is optional and designed to furnish an opportunity to those who have not complied with the requirement "attendance on confinement cases."
- IV. MANIKIN WORK.—The class is divided into sections of convenient size, and each student is required to perform on the manikin all of the usual obstetrical operations. Exercises in diagnosis of position and presentation, including a review of the mechanism of normal and abnormal labors, are also held. Dr. James.
- V. ATTENDANCE ON CONFINEMENT CASES.—As the Emergency Hospital does not conduct an outdoor service, each member of the graduating class, before taking the final examination for the degree, must present a certificate of actual attendance on at least six cases of labor. An opportunity for such attendance is given at the Society of the Lying-In Hospital, on Second Avenue, between 17th and 18th Streets, under the direction of Dr. James. Students are required to personally attend confinement cases among the poor at their own homes. During the time that this course is being taken, students are excused from their regular college exercises, but it is strongly recommended that this course be taken during the vacation period between the third and fourth years.

Proper certificates, approved by the Professor of Obstetrics, of a course in other maternity hospitals or from preceptors may be accepted as complying with this requirement.

GYNÆCOLOGY

Third Year

- I. LECTURES.—One a week, throughout the session, on the principles and practice of gynæcology. Professor Coe.
- II. RECITATIONS.—One, on alternate weeks, throughout the session, on the subjects covered by the lectures. Professor Coe.
- III. CLINICS.—One a week, throughout the session, demonstrating the major and minor gynæcological operations. Professor Coe.
- IV. Demonstrations in the special anatomy of the female pelvic organs.

Fourth Year

- I. CLINICS.—One a week, in Bellevue Hospital, throughout the session. Before each operation several students are permitted to examine the case while under anæsthesia, and the conditions requiring treatment are explained to them and the whole class. Professor Coe.
- II. SECTION TEACHING.—Small sections of the class receive individual instruction in Diagnosis and operative technique, etc., in Bellevue Hospital. Professors Coe and Flint.
Small sections are also taught gynæcological diagnosis and treatment in the College Clinic. Drs. Studdiford and Foskett.

PEDIATRICS

Third Year

- I. LECTURES.—One a week, one-half the session, on the normal infant and child, methods of examination, history taking and recording, slight ailments and the general care of the growing infant. Dr. Freeman.
- II. SECTION TEACHING.—Practical instruction in the diagnosis, especially physical signs, and treatment of the diseases of children in the College Clinic and the Out-Patient Department of Bellevue Hospital. Drs. Freeman, Nicholl and Long.

Fourth Year

- I. LECTURES.—One a week, throughout the session, on diseases of children, partly didactic, partly clinical; illustrated by cases and with the stereopticon. Professor Northrup.
- II. RECITATIONS AND PRACTICAL INSTRUCTION IN INTUBATION. One hour a week will be devoted to this work after January first. Drs. Nicoll and Long.
- III. SECTION TEACHING.—(a) Bedside instruction in the hospital wards.
(b) Instruction in milk modification for the feeding of infants and young children. Drs. Nicoll and Long.
(c) Practical instruction in the diagnosis and treatment of diseases of children in the Out-Door Department of Bellevue Hospital, the

College Clinic, and the Foundling and Presbyterian Hospitals. Professor Northrup and Drs. Freeman, Nicoll, and Long.

- IV. Practical instruction in diagnosis, especially physical signs and treatment of diseases of children in the College clinic. Drs. Nicoll and Long.
- V. Instruction in contagious diseases in the Willard Parker Hospital. Professor Northrup. (Optional.)

NERVOUS DISEASES

Fourth Year

- I. LECTURES.—One a week throughout the session. These lectures are clinical, being illustrated by cases of the diseases under discussion, and include a systematic course of instruction in the diseases of the brain and spinal cord; their pathology, diagnosis, and treatment. Professor Fisher.
- II. SECTION TEACHING.—1. Bedside instruction in Bellevue Hospital, once a week, throughout the session. 2. Instruction in the methods of diagnosis in nervous diseases, in the College Clinic. During this course the students will have opportunities to examine the patients, with a view to arriving at a diagnosis. 3. Instruction in electro-diagnosis and electro-therapy, in the College Clinic. Professor Fisher and Drs. Scratchley and Winter.

Facilities

Clinical material for instruction in nervous diseases is drawn from Bellevue Hospital, the City Hospital (Department of Nervous Diseases), and the College Clinic.

MENTAL DISEASES

Fourth Year

- I. LECTURES.—One a week, first half the session. These lectures will be partly didactic, partly clinical. The didactic lectures will embrace systematic instruction in mental diseases, including: The essential principles of insanity; its nature and prominent features; concise definitions of the important technical terms used in psychological medicine; a comprehensive classification of mental diseases and their etiology, diagnosis, prognosis, and treatment; the legal aspects of insanity, its jurisprudence, civil and criminal; the examination and commitment of the insane, and hints for the guidance of physicians when called as witnesses in medico-legal proceedings. The clinical lectures will consist of the presentation of cases of insanity illustrating the teachings of the didactic lectures. Professor MacDonald.

Facilities

Illustrative cases of mental diseases are furnished from the Manhattan State Hospital on Ward's Island, and from the Insane Pavilion at Bellevue Hospital.

OPHTHALMOLOGY

Fourth Year

- I. LECTURES.—One a week, throughout the session, on the external and internal diseases of the eye; the former being illustrated by cases, and both by a full series of excellent colored lantern slides. Professor Weeks.
- II. SECTION TEACHING.—Small sections of the class will receive practical instruction in the recognition and diagnosis of all the usual external affections of the eye; practical instruction in the technical use of the ophthalmoscope, during which the student will become familiar with the appearances of the normal fundus oculi, and some practical instruction in the treatment of diseases of the eye and the correction of error of refraction. Drs. Wandless, Bell, and Jones.
- III. SPECIAL WORK.—Students desiring a more complete knowledge of diseases of the eye, including errors of refraction and their correction and ophthalmic surgery, can, if fitted for the course, obtain facilities for pursuing those studies under the auspices of the College in private classes. Those wishing to make a study of the microscopical pathology of the eye can also avail themselves of opportunities which will be offered.

Facilities

Clinical material is obtained from the Out-Door Poor Department of Bellevue Hospital, the College Clinic, and from the New York Eye and Ear Infirmary. The College Clinic is fitted with the necessary equipment for practical work with the ophthalmoscope.

DERMATOLOGY AND SYPHILOLOGY

Fourth Year

- I. LECTURES.—One a week throughout the session. The lectures will be partly didactic, partly clinical; the former illustrated with lantern slides and sections of tissues showing lesions of the skin under the microscope, the latter illustrated by cases. The course will consist of a systematic presentation of the diagnosis, pathology, and treatment of cutaneous disease, particular attention being also given to the differential diagnosis between syphilitic and non-syphilitic affections. Professor Fordyce.

- II. **SECTION TEACHING.**—Instruction in the diagnosis and treatment of diseases of the skin will be given to small sections of the class in the College Clinic. Dr. Mewborn.
- III. **LABORATORY WORK.**—In the dermatological laboratory sections of the class will be instructed in the microscopical examination of hairs and scales for parasitic fungi; methods of preparing culture media and differentiation of the dermatophytes. Methods of making biopsies, minor surgical procedures and the manner of using physical agents in dermatology. Dr. Mewborn.

Facilities

Clinical material for section teaching and for illustrating the lectures is derived from the Out-Door Poor Department of Bellevue Hospital, the College Clinic, the Northwestern Dispensary, and the Skin Wards of the City Hospital.

The dermatological department includes a small but fully equipped laboratory, with a stock of several hundred examples of the various lesions of the skin, available for special advanced study of the pathology of cutaneous disease. A number of reproductions of the Barretta models from the Museum of the St. Louis Hospital, Paris, have been added to the existing collection during the past year.

OTOLOGY

Fourth Year

- I. **LECTURES.**—One a week, throughout half the session, on the diseases of the ear. The various pathological conditions are described and demonstrated to the class by the use of large models. In this manner it is possible to give the class a clear idea of the appearance of the parts. In addition to the use of the models, both wet and dry anatomical specimens are presented for inspection. All operations are demonstrated on the cadaver. Particular care is taken to present the subject from the standpoint of the general practitioner and to render each student competent to treat intelligently those diseases of the ear which demand immediate attention. Professor Dench.
- II. **SECTION TEACHING.**—Small sections of the class will receive practical instruction in the examination of the ear and the diagnosis and treatment of aural disease. The section work is given in the college clinic, where the students are given the opportunity to study and to become familiar with all the common ear lesions. Dr. Kerrison.

- III. OPERATIVE OTOLOGY.—A practical demonstration of the various otological operations will be made upon the cadaver before small sections of the class. Dr. Brandegee.

Facilities

The clinical material used to illustrate the lectures and for the section teaching is drawn from the College Clinic, the Out-Patient Department of Bellevue Hospital, the New York Eye and Ear Infirmary and other sources

LARYNGOLOGY AND RHINOLOGY

Fourth Year

- I. LECTURES.—One a week throughout half the session. This course of lectures will comprise a presentation of the special anatomy and physiology of the upper respiratory tract; the etiology and pathology of affections of the nose and throat, and a description of the more common diseases of those organs, their diagnosis and treatment. Where practicable, these lectures will be illustrated by cases of the diseases described. Professor Bosworth.
- II. SECTION TEACHING.—Small sections of the class will be taught the regional anatomy of the nose and throat by means of preserved specimens and models; the methods of rhinological and laryngological examination, with an opportunity to practice those methods on cases, and the medicinal and operative treatment of cases of disease of the nose and throat. Professor Coakley and Drs. Griffin, Oppenheimer and Sharp.
- III. SPECIAL WORK.—An optional course in the diseases of the nose and throat is offered to those students who are prepared to take it. The course will include practical drill in diagnosis and treatment. Opportunities to perform minor operations will also be accorded to students who show sufficient proficiency. Professor Coakley and Dr. Griffin.

Facilities

The clinical material available for instruction is drawn from the College Clinic, the Out-Patient Department of Bellevue Hospital, and small sections of the class are privileged to attend the clinics on the nose and throat at the Demilt Dispensary, which is but a short distance from the College.

PATHOLOGICAL CHEMISTRY

Herter Lectureship on Pathological Chemistry

Dr. Christian A. Herter, formerly Professor of Pathological Chemistry in the College, has given to the Council of New York University a fund to provide for an annual course of lectures on this subject.

W. D. Halliburton, M.D., F.R.S., Professor of Physiology, King's College, London, has accepted an invitation to deliver this course of twelve lectures on pathological chemistry, beginning Monday, January 4th, and continuing daily until January 16th, 1904.

Special Subjects

Short courses of lectures or demonstrations on the following subjects will be given during the fourth year :

Quarantine Sanitation,
Medical Jurisprudence,
X-Ray Technique,
Electro-Therapeutics,
Hydrotherapy,
Life Insurance Examination.

Graduate Courses

The following special courses of instruction have been arranged for graduates in medicine. The courses are planned to occupy about six weeks each, but it may be possible for two, or perhaps more, of the courses to be taken at the same time. Special provision has been made for those who do not wish to take the entire course, but to select certain topics only from each course.

Subsequent courses during the Summer will be given if a sufficient number enroll for them.

All those desiring to take the courses or portions of courses are requested to notify Egbert Le Fevre, M.D., Corresponding Secretary, University and Bellevue Hospital Medical College, Twenty-sixth Street and First Avenue, prior to April 15th, 1903.

Applied Bacteriology

A short practical course on applied bacteriology intended for physicians and sanitary officers will be given in the Carnegie Laboratory during April and May. The course will begin on the last Monday in April. There will be given on alternate days a series of three-hour exercises on laboratory technique, and the practical application of bacteriology in the prevention, diagnosis and treatment of disease.

Physicians who have had some training in bacteriology and who do not desire to spend the time required for the whole course may select one or more of the exercises devoted to the consideration of special subjects. They may thus refresh their knowledge on those subjects of special interest to them and at least learn what assistance bacteriological examinations may afford in clinical work, the methods for the preparation of material for laboratory examinations, and the interpretation

of results. The exercises will begin at 2 o'clock and will continue until 5. The first six exercises will be devoted to bacteriological technique and must be taken together. The subjects for the last eight exercises are as follows:

The diphtheria and tetanus bacilli and their antitoxins.

The tubercle bacillus and tuberculin.

The typhoid and paracolony bacilli and the serum reactions.

The gonococcus, the pneumococcus and the streptococcus.

The bacteriological examinations of water, ice, and air, and their value.

The bacteriological examinations of blood, urine, fæces, and milk.

Disinfection.

Visit to the Department of Health laboratories.

The charge for the 14 lessons will be \$20. The charge for single exercises will be \$2 each.

Microscopes, apparatus, culture media, etc., will be furnished.

The courses will be under the direction of Dr. Wm. H. Park, Professor of Bacteriology and Hygiene, assisted by Drs. Robert J. Wilson, Flournoy, Assistants in Bacteriology.

Clinical Microscopy and Applied Pathology

A short practical course in clinical microscopy and applied pathology will be given in the Carnegie Laboratory, beginning on the first Tuesday in May. There will be fifteen exercises of three hours on Tuesdays, Thursdays and Saturdays, from two to five in the afternoon. The course will cover the methods of examining urine, stomach contents, inflammatory exudates, milk, sputum and blood, and the application of these methods to diagnosis. Specimens from cases with known clinical histories will be submitted for examination, and the bearing of the results upon the diagnosis and prognosis will be fully discussed in each case. The fee for the course is \$25.00.

Histological Technique

A short practical course upon the histological technique for the preparation and examination of new growths and diseased tissues will be given during May and June. It consists of two-hour sessions on alternate days, and extends over a period of six weeks. The work is to be entirely practical; each student is expected to fully prepare all the tissues examined. Sections will be limited to ten men. Fee for the course is \$25.00.

Pathological Histology

This course is designed to meet the needs of surgeons and gynecologists who wish to make pathological examinations of tissues

removed at operations. The work will be entirely practical, and each member of the class will be expected to learn all the details necessary for the study of each specimen submitted for examination, including hardening, embedding, cutting, staining and mounting. The material used in the work will be selected from a large surgical and gynæcological service.

Particular attention will be given to the differential diagnosis of the most common tumors and the morbid processes of greatest surgical interest. A working knowledge of normal histology will be necessary.

The course will begin on first Monday in May, and will be limited to a class not exceeding ten members.

There will be three-hour exercises on alternate days, for five weeks, and the fee for the course will be \$25.00, which will cover all expenses. Professor Harlow Brooks and Dr. G. R. Satterlee.

Gross Pathology

Autopsies are held at the City Morgue on Monday, Wednesday and Friday afternoons, on cases of clinical interest from the wards of Bellevue Hospital and on cases of accidental and sudden death, of interest from a medico-legal standpoint. Attention during the early part of the course is directed chiefly to the technique of making complete post-mortem examinations, including examinations of the spinal cord, accessory cavities of the skull and the naso-pharynx, and to the determination of the cause of death. During the latter part of the course attention is directed to a more careful consideration of the special pathological changes discernible in the various organs. The material is studied under the microscope in the fresh state by teased preparations and frozen sections. Cover-glass preparations are made from exudates and stained for bacteria. In appropriate cases, cultures are made for bacteriological examination and sections of organs are hardened for further microscopical study. Particular attention is given to methods of carefully recording all data gathered at the autopsy, and students are given practice in writing protocols. The various departures from the normal condition of the organs are described in detail, the pathological diagnoses being reserved until the final summary of the case. Under the direction of the instructor, the members of the class are permitted to perform the autopsies throughout the greater part of the course.

The Pathological Museum of the Carnegie Laboratory is open to members of the class, and twice a week demonstrations of gross pathological specimens and methods of museum preparation are given in the Museum Laboratory. Fee, \$25.00. Course will be given by Dr. Welch.

Operative Surgery on the Cadaver

The course in advanced operative surgery on the cadaver will begin first week in May. Twelve lessons of two hours each will be given on Mondays, Wednesdays and Fridays, at 2 P.M. The lessons include: the surgery of the Head, Neck, Thoracic and Abdominal cavities.

The following scheme will be carried out as closely as is feasible:

Students may take the entire course, or take any one or more of the lessons. Persons desiring to rehearse any particular operation (not included in the list), will be permitted to do so under the direction of the demonstrator, after sufficient notice, to permit of arrangement for material.

Craniotomy for Fracture of Skull, Craniotomy for Meningeal Hemorrhage, Craniotomy for Cerebral Tumor.

Opening the Mastoid Antrum, Craniotomy for Thrombosis of Lateral Sinus, Ligature of Internal Jugular Vein, Opening the Frontal Sinus.

Excision of Upper Jaw—preliminary exposure of External Carotid Artery and application of emergency loop, excision of Lower Jaw.

Removal of the Tongue—Ligature of Lingual Artery in the wound, Laryngeal Tracheotomy, Tracheotomy, Thyroidectomy.

Amputation of the Breast, Thoracotomy.

Celiotomy, Intestinal Sewing, Intestinal Anastomosis.

Gastro-enterostomy, Gastrostomy.

Appendectomy, Inguinal Colostomy.

Cholecystotomy, Cholecystectomy, Herniotomy.

Supra-pubic Cystotomy, Castration, Perineal section.

Prostatectomy, Excision of the Rectum.

Nephrotomy, Nephrectomy, Nephropexy.

The class is limited to six members.

Fee for entire course, \$50 00. Fee for portion of course, \$5.00 per lesson. Course will be given by Dr. H. A. Haubold.

Applied Anatomy

A course of demonstrations in regional anatomy will be given in the Dissecting Room, on Tuesday, Thursday and Saturday afternoons, from 2 to 5, beginning about May 15th. There will be seven exercises, as follows:

Anatomy of the Abdomen.

Anatomy of the Thorax.

The Triangles of the Neck.

The Axilla, Cubital Fossa, Scarpa's Triangle, Hunter's Canal, the Popliteal Space, etc.

The anatomy of the following joints: Shoulder, Elbow, Wrist, Hip, Knee, Ankle, Medio-tarsal Joint, and their surface anatomy.

The anatomy of the Male and Female Genitals.

The anatomy of Inguinal and Femoral Hernia.

Fee for the whole course, \$30.00; for a portion of the course, \$5.00 for each demonstration. The class is limited to five members, and will be conducted by Professor H. J. Prentiss.

Course in Medicine and Physical Diagnosis

Two courses of instruction will be given in Physical Diagnosis and Internal Medicine: one, on Monday, Wednesday and Friday by Dr. Theodore C. Janeway; the other, Tuesday, Thursday and Saturday by Dr. S. A. Brown. Each course will consist of twelve lessons, on alternate days, from 2 to 4 o'clock.

Instruction will consist of examination of cases, and will cover, so far as possible, all important points in Physical Diagnosis. First course will begin on April 28th. The instruction will be personal and classes limited to four men. Fee for twelve lessons, \$25.00.

Clinical and Operative Gynæcology

A course in Clinical and Operative Gynæcology will begin the last week in April, and last four weeks. The class will be limited to four men, and will meet daily at 1.30 P. M., on Monday, Wednesday and Friday in the College Clinic, where ample material is offered for examinations, diagnosis, etc.; on Tuesday, in the New College Building, for operative gynæcology on the cadaver, each member of the class having opportunity to perform the principal minor and major gynæcological operations; on Thursday, in the Hospital Ward, for dressing cases operated upon during the previous week, and the examination of cases for operation on the following Saturday in the Crane Room, Bellevue Hospital. Fee for course, \$50.00. Course will be given by Dr. W. E. Studdiford

Genito-Urinary Diseases

Two courses of instruction in Genito-Urinary and Venereal diseases, with personal examination, diagnosis and treatment, including the use of the endoscope and the cystoscope, with catheterization of the ureters, will be given at the College Clinic during the months of May, June and July. The courses will be of ten lessons each, commencing Saturday, May 2d, at three o'clock, to continue on Wednesdays and Saturdays. Class limited to four members. Fee, \$25.00. Dr. John Van der Poel.

Special Clinical Courses

Clinical courses will also be given in Laryngology, Ophthalmology, and Pediatrics, if a sufficient number of applications for such courses are received.

CLINICAL FACILITIES

The College possesses ample facilities for clinical teaching, and the school is pre-eminent as a school of practical medicine. This purpose has been constantly in view in the arrangement of the course of study.

The College Clinic (in New College Building). (See also page 13.)

This is a General Medical and Surgical Clinic, and supplies aid for the outdoor sick poor. The situation is peculiarly advantageous, as it is just opposite Bellevue Hospital. It affords abundant material for practical clinical instruction in all departments of Medicine and Surgery. Connected with Clinic are the Laboratories of Bacteriology, Pathology, and Clinical Microscopy, in which opportunity is given the student to make the necessary examinations of the blood, sputum, urine, etc.

The Edward N. Gibbs X-Ray Laboratory.

Through the generosity of friends of the College and in recognition of the medical services rendered to the late Edward N. Gibbs by members of the Bellevue Hospital medical staff, there has been established in connection with the College Clinic the Edward N. Gibbs X-Ray Laboratory. This has been placed under the immediate direction of Mr. E. W. Caldwell, an expert in skiagraphy.

The Laboratory is attached to the College Clinic, and is conducted to aid the medical and surgical staff of Bellevue Hospital and of the Clinic in the diagnosis and study of obscure forms of disease among the poor under treatment in these institutions. The facilities of this laboratory will be used to illustrate the lectures on Radioscopy. It is maintained in the highest degree of efficiency by the founders.

Bellevue Hospital (26th Street and First Avenue). (See also page 13.)

Bellevue Hospital is directly across the street from the College Buildings. It is the great City Hospital especially used for acute diseases, has eight hundred beds, and receives annually about 16,000 patients. All of the great charitable institutions on Blackwell's, Ward's, Randall's, and Hart's Island receive their inmates, numbering many thousands, through Bellevue Hospital or its Out-Patient Department. In the *Out-Patient Department* more than fifty thousand new patients a year are treated, aside from those admitted to the various hospitals of the Department of Charities.

City Hospital (formerly Charity Hospital, Blackwell's Island).

This is the great City Hospital for chronic and venereal diseases. It has about one thousand beds, and is reached from the pier at Bellevue Hospital by the steamers of the Department of Charities.

Section teaching and hospital clinics will be given at this institution.

Hospitals of the Workhouse and Almshouse (Blackwell's Island).

These institutions are also reached by the steamers of the Department of Charities, which leave the pier at Bellevue Hospital.

The hospitals of the Workhouse contain about one hundred and twenty beds, and are chiefly occupied by cases of acute disease.

Hospital clinics and section teaching will be given at these institutions.

Manhattan State Hospital for the Insane (situated on Blackwell's Island and Ward's Island).

This hospital is reached from the foot of East 28th Street by the boats of the Department. These institutions contain more than six thousand insane patients.

Opportunities are afforded to students during the fourth year to see the various types of insanity.

Willard Parker and Reception Hospitals, and the Riverside Hospital for Contagious Diseases (Department of Health of New York City).

The Willard Parker and Reception Hospitals are situated at the foot of East 16th Street. These hospitals are devoted to the treatment of scarlet fever and diphtheria, and to the reception of other contagious diseases.

Practical bedside instruction in the diagnosis of these diseases is afforded to students during the fourth year. Professor Northrup.

These institutions are easily accessible by street car from the College Buildings, and contain about two hundred beds.

The Riverside Hospital is reached from the foot of East 16th Street by steamers of the Department of Health, or from East 132d Street.

It is devoted to all forms of contagious disease, and has facilities for accommodation of more than three hundred patients.

Randall's Island Hospital (Department of Public Charities).

Is devoted chiefly to the care of infants, idiots, and imbeciles. It is reached by boat from the Department of Charities, foot of East 26th Street, or from East 120th Street.

Presbyterian Hospital (Madison Avenue and 70th Street).

Accessible by electric cars from the College. This is a large modern general hospital containing three hundred and thirty beds.

Opportunities for bedside instruction is afforded to members of fourth year class in small sections. Professor Northrup.

St. Luke's Hospital (Morningside Heights, 113th Street and Amsterdam Avenue).

Accessible by electric cars from the College. This is the most recently erected of the hospitals—having moved a few years ago from its old site on Fifth Avenue.

A Clinical Lecture is given by Professor Curtis to which students are admitted.

St. Vincent's Hospital (Seventh Avenue and 12th Street).

Large general hospital containing more than two hundred beds. Reached by street car from College building.

Professors Bryant, Biggs, and Stewart, and Dr. Lewis are attending at this institution, and students will be permitted to witness operations, etc.

General Memorial Hospital (106th Street and Eighth Avenue).

Surgical clinics are held daily. Professor Côté operates once or twice a week throughout the year, the students being always made welcome

Gouverneur Hospital (Department of Charities, Gouverneur Slip, corner Front Street).

Reached by street car from the College Building. General hospital and reception hospital for the Department of Charities. Has also a large Out-Patient Department.

Section teaching and clinics will be given during the fourth year at this hospital by Professors Silver and Erdmann and Dr. Huddleston.

Columbus Hospital (226 East 20th Street).

Very accessible from College Building. Under charge of Missionary Sisters of the Sacred Heart. General and special clinics are given by Professor Coakley and Dr. Lewis, to which students of the Fourth-Year Class are invited.

Harlem Hospital (Department of Charities, 553 East 120th Street).

Reached by electric cars from College Building. Is a branch of Bellevue Hospital and has a large Out-Patient Department. Dr. Haubold will conduct section teaching for fourth-year students during session.

New York Foundling Hospital (68th Street, between Third and Lexington Avenues).

Reached by street car from College Building. Is under the charge of the Sisters of Charity. Instruction in diseases of children is given here to fourth-year students by Professor Northrup and Dr. R. G. Freeman. Demonstrations of the gross pathology of infants by Dr. M. Nicoll, Jr., pathologist

The O'Dwyer Memorial Clinic, established during 1898 in this institution. Professor Northrup.

Society of the Lying-In Hospital (on Second Avenue, between 17th and 18th Streets).

Is near the College Building. This hospital conducts a large indoor and outdoor obstetrical service and provides a practical course of two weeks for students. The certificate of this hospital is accepted by the College as complying with all the requirements for actual attendance on cases of labor.

New York Eye and Ear Infirmary (13th Street and Second Avenue).

Easily accessible by Second Avenue electric cars. Students of the

College attend the operative clinic of Prof. Dench, held every Monday at 3.30 P. M.

Section teaching in Otology is given to fourth-year students by Dr. P. W. Brandegee.

Prizes and Hospital Appointments

Mott Prize Medals

By the will of the late Dr. Valentine Mott, a founder of the University Medical College, and for many years its President and Professor of Surgery, perpetual provision was made for the following medals:

A gold medal to the candidate who shall prepare the best anatomical or anatomico-surgical preparation.

A silver medal to the second best preparation.

A bronze medal to the candidate who shall furnish the best notes of recorded cases and remarks of the Professor of either of the Surgical Clinics.

Candidates for graduation, as well as first and second course students, may compete for these medals.

The preparations shall belong to the University Mott Prize Museum, and be labeled with the name of the maker.

Reports of cases shall belong to and be deposited in the Museum.

The specimens are to be presented anonymously, accompanied by a device or motto.

The medals are not to be awarded except the specimens presented are of sufficiently good character.

Further information regarding the preparations will be furnished by the Professor of Anatomy.

These medals were awarded at session 1901-2 as follows:

The Gold Medal, Albert Arthur Epstein, B.S.

The Silver Medal, Irving Masten Vanderhoff, B.S.

The William T. Lusk Memorial Science Prize. A prize of one hundred dollars is offered for the best thesis presented to the Faculty by any member of the Senior Class upon any subject which embodies the results of personal original research done under the supervision of any professor or designated instructor of the school. This prize was awarded to Dr. Arthur Rudolph Mandel at the last commencement.

Appointments in the Hospitals in the Department of Public Charities.—The graduates of this College are eligible for examination for appointment to the house staff in the following hospitals:

BELLEVUE HOSPITAL.—Twenty-four regular appointments to the house staff are made each year. The term of service is two years, as follows: Six months as junior medical assistant, six months as junior surgical assistant, boarding out of the Hospital; and six months as senior assistant, and six months as house physician, house gynecologist, or

house surgeon, board, lodging, and washing being provided in the Hospital. The successful candidates are assigned to duty in order of merit.

CITY HOSPITAL.—Eight physicians and eight surgeons, serving for eighteen months, and eight “provisionals,” serving for one year. During the first six months of service, board is to be obtained out of the Hospital. For the remainder of the term of service, board, lodging, and washing are furnished in the Hospital. Four physicians and four surgeons begin service in June, and four physicians and four surgeons in December.

LEBANON HOSPITAL.—(150th Street and Westchester Avenue.) Reached by electric and elevated cars from College Building. Surgical clinics are given by Professor Syms, to which students are admitted.

MATERNITY HOSPITAL.—The house staff is included in the staff of the City Hospital.

GOVERNEUR HOSPITAL.—Four *internes* are appointed each year.

HARLEM HOSPITAL.—Two *internes* are appointed each year.

ALMSHOUSE AND INCURABLE HOSPITALS.—Four *internes*, with alternating medical and surgical service, are appointed each year, to serve for eighteen months, living in the Hospital.

RANDALL'S ISLAND HOSPITAL.—Four *internes* are appointed each year, with the same kind of service and under the same conditions as in the Almshouse Hospital.

FORDHAM HOSPITAL.—Two *internes* are appointed each year.

OTHER HOSPITAL APPOINTMENTS.—In addition to those in the hospitals in the Department of Public Charities, there are no less than twenty-four hospitals, not including special hospitals, in which appointments to the house staffs are open to competition. The most prominent of these are, the Presbyterian Hospital, St. Luke's Hospital, the New York Hospital, St. Vincent's Hospital, St. Francis' Hospital, General Memorial Hospital, Mount Sinai Hospital, the French Hospital, the Italian Hospital, Roosevelt Hospital, St. Mark's Hospital, New York Foundling Hospital.

The following members of the class graduating, Session 1902-1903, have received hospital appointments on competitive examination:

William Edgar Boyce, Claudius LeRoy Boyd, Paul Bellows Brooks, Carleton Gravis Crisler, John Fletcher Denton, Jr., Clyde Alexander Finley, Frank Edward Gessner, Joseph Edward Golding, James Clement Harkins, Clarence Morris Hatheway, Rudolph Francis Herriman, John Anthony Heitlinger, Elmer Isadore Huppert, Clinton John Hyde, Louis Karmiohl, Robert Barnabas Keane, Nathaniel Edgar Lancaster, William Frederick Lorenz, Royal Albert McCune, John James McGowan, Herman Mendlowitz, James Francis Nagle, Frederick Lawrence Nelson,

Alexander Dwight Parce, Emanuel Rudolph Pick, Edgar Howard Powell, Thurlow Weed Reed, Ralph Taylor Richards, Joseph Samenfelf, Henry Stanislaus Sauerbrey, Leonard Higbie Smith, John Miller Stephens, William Clegg Stolworthy, Gustave Strack, Edward Murray Tracy, Alphonse A. Wren, Warren Hastings Young, Marks Murray Waxman.

Appointment of Assistants to the College Clinic

A six months' rotating service as Clinical Assistant in the different departments of the College Clinic is open to members from the graduating class, twelve of whom shall be chosen in the order of their college standing at the end of their course. The service consists of two months each for three days a week in the Surgical, Gynæcological, Medical and Children's Classes and in any two of the following: Throat and Nose, Nervous, Skin and Genito-Urinary Department. Six men are appointed to serve from July to January; six from January to July. Choice to be made in the order of College standing.

Miscellaneous Information

Members of the class who receive remittances in the form of post-office money orders will save trouble if they direct the orders to be made payable at Station F, New York City, this station being but a short distance from the College.

The courses of lectures in other colleges recognized with reference to graduation are the regular sessions of such colleges, and not preparatory or intermediate courses, except when recognized by the Regents (see p. 60). The latter are reckoned only as time of study.

Tickets or diplomas of colleges devoted to any peculiar system of medicine are considered irregular, and will not be recognized under any circumstances.

The College never issues duplicate diplomas; but official certificates of graduation are given to alumni who present satisfactory evidence that their diplomas have been destroyed or lost.

Reading-Room and Association Hall

Commodious rooms in the East College Building have been set apart, the one for a general Reading-Room, the other for the Young Men's Christian Association. The Reading-Room will be open under the supervision of the officers of the faculty for the use of the students throughout the day and also in the evening. It will be supplied with the leading medical journals and other periodicals. The Association Hall will be available for meetings of students, especially those designed for moral or religious culture, under the direction of the College Association. No charge is made by the University in connection with the use of either of these rooms.

Board

Arrangements are made by the clerk so that each matriculate of the College will be furnished with good board, including room rent, at a convenient distance from the College building, at the rate of \$5 to \$7 per week. Information as to board may be obtained from the clerk at his office in the College, or from the Secretary of the Intercollegiate Young Men's Christian Association, 129 Lexington Avenue.

Correspondence

It would be to the advantage of students if they would register a few days in advance of the opening exercises, secure boarding places, and purchase books, so that their studies may not be interrupted in the beginning. The Corresponding Secretary will be in his office every day during September, at 2 P.M.

Letters requesting information should be addressed to

Prof. EGBERT LE FEVRE, M.D.,

The University and Bellevue Hospital Medical College,
East 26th Street and First Avenue.

Fees for the Four-years' Course

Matriculation (payable only once on entrance).....	\$5.00
FIRST YEAR	
General Instruction.....	\$150.00
Laboratory Fees, including Dissection	30.00
SECOND YEAR	
General Instruction.....	\$150.00
Laboratory Fees, including Dissection.....	30.00
THIRD YEAR	
General Instruction	\$150.00
Laboratory Fees, including Operative Surgery.....	30.00
FOURTH YEAR	
General Instruction.....	\$150.00
Laboratory Fees.....	20.00
Examination Fee.....	25.00

Fees must be paid according to foregoing schedules by all matriculates and special students, including those who have already received the degree of M.D., except alumni of the College. Tickets cannot be transferred, and fees will not be returned.

The laboratory fees and one-half of general instruction is payable on October 1st and one-half on January 5th, ten days grace being allowed, at end of which time non-payment will debar from classes.

Alumni of the University Medical College and the Bellevue Hospital Medical College are admitted to the lectures and clinics of the third and fourth years upon payment of the matriculation fee only.

Fees cover all expenses at the College except the course in Practical Obstetrics.

NOTE.—When candidates for graduations do not have necessary certificate of attendance on six cases of labor, a course in Practical Obstetrics can be taken at any time during the third or fourth years in one of several maternity institutions in New York City.

Fees for Special Students, 1903-1904

Tickets for one or more of the seven departments of Practice of Medicine, Surgery, Obstetrics, Materia Medica, and Therapeutics, Physiology, Anatomy, and Chemistry may be taken separately at the rate of \$40 for each department, and each ticket thus taken entitles the holder to all the exercises connected with the department for which it is issued, except the Laboratory courses and dissections; but attendance upon lectures under such separate tickets will not count in any way as part of one of the four regular courses of lectures required for graduation.

The Dissecting ticket may be taken out separately by matriculates only.

Dissection.....	\$15.00
Laboratory Courses in Chemistry, Normal Histology, Pathological Histology, Materia Medica, Gross Pathology and Autopsies, and Clinical Microscopy, each.....	15.00

Regents' Entrance Examinations and Certificates

General Information Regarding the Requirements for Admission to Medical Schools in the State of New York

Each student who matriculates in a New York Medical School with the intention of becoming a candidate for the degree of Doctor of Medicine, whether he comes to New York to begin or continue the study of medicine, must file with the College a Medical Student's Certificate, issued by the Regents of the University of the State of New York.

The Medical Student's Certificate may be obtained by presenting evidence :

1 Of having satisfactorily completed a full four years' course in a registered academy or high school; or preliminary education considered and accepted by the Regents as fully equivalent to a four years' high school course.

The Regents will accept as fully equivalent to the required academic course any one of the following :

(a) A certificate of having completed successfully at least one full year's course of study in the collegiate department of any college or university registered by the Regents as maintaining a satisfactory standard.

(b) A certificate of having passed in a registered institution examinations equivalent to the full collegiate course of the Freshman year or to a completed academic course.

(c) Regents' pass-card for any forty-eight academic counts or any Regents' diploma.

(*d*) A certificate of graduation from any registered gymnasium in Germany, Austria, or Russia.

(*e*) A certificate of successful completion of a course of five years in a registered Italian ginnasio and three years in a liceo.

(*f*) The bachelors' degree in arts or sciences, or substantial equivalents from any registered institution in France or Spain.

(*g*) Any credential from a registered institution or from the government in any foreign state or country which represents the completion of a course of study equivalent to graduation from a registered New York high school or from a registered Prussian gymnasium.

2 Where students have not completed a full four years' academic or high school course, credit is given for the years that have been completed, and an examination on the remaining subjects of the complete high school course may be taken, and, if successfully passed, a Medical Student's Certificate will be issued.

3 Students who cannot present evidence as above may obtain a Medical Student's Certificate on passing an examination on the subjects required by the Regents. Fee for certificate, 25 cents.

The examinations are held entirely under the charge of the Regents in New York, and in many other places throughout the State, on the following dates:

Calendar of Regents' Examinations for the Academic Years 1903-1904.

Year.	January.	March.	June.	September.
1903,	26-30	25-27	15-19	29-Oct. 2
1904,	25-29	23-25	13-17	27-29

Full information concerning the law, together with blank forms of application for Medical Students' Certificate and a copy of the law, will be furnished by the Corresponding Secretary on request.

In order that a definite reply may be sent to inquiries relating to a Medical Student's Certificate, it is recommended that in writing the following points be observed:

(1) State whether a graduate in arts or sciences, or whether a partial or complete university or college course has been pursued.

(2) State whether a complete (four full years) or a partial high school or academic course has been pursued.

(3) If credentials called for under **1** and **2** cannot be presented, state fully what the preliminary education has been, where taken, and the grade of schools attended.

(4) If the study of medicine has already been begun, give the name of the college and the date of matriculation.

Division of the Examinations for License to Practice Medicine in New York State

In 1901 the Medical Law was amended to give the Regents power to admit conditionally to the licensing examinations in anatomy, physi-

ology and hygiene, and chemistry, applicants certified as having studied medicine not less than two full years of at least nine months each, including two satisfactory courses of at least six months each, in two different calendar years, in a medical school registered as maintaining at the time a satisfactory standard; provided that such applicants are more than 21 years of age, of good moral character, and have the requisite preliminary education, and pay a fee of \$25.00; the final examinations in surgery, obstetrics, pathology and diagnosis and therapeutics, including practice and materia medica, to be met after having finished the full period of study and having received the medical degree. The regents may, in their discretion, accept as the equivalent of the first year of medical study evidence of graduation from a registered college course, provided that such college course shall have included not less than the minimum requirements prescribed by the regents for such admission to advanced standing.

Medical Examinations

Examinations for license to practice medicine in this State will be held on the following dates:

1903—January 29-30; May 19-22; June 23-26; September 29; October 2.

1904—January 26-29; May 17-20; June 21-24.

Each candidate is notified as to the exact place.

Address all communications concerning license examinations to *College Department, University of the State of New York, Albany, N. Y.*

Students who have passed anatomy, chemistry, physiology and hygiene will be admitted to advanced standing in this college without further examination in these subjects.

List of Textbooks.

PRACTICE OF MEDICINE.—*Osler, Practice of Medicine, \$5.50; *Strümpell, \$6; Albutt, System of Medicine, \$26.

PHYSICAL DIAGNOSIS.—*Le Fevre, \$2.25.

DISEASES OF THE NERVOUS SYSTEM.—*Church and Peterson, Nervous and Mental Diseases, \$5; *Gowers, Diseases of the Nervous System, \$8; Mills, the Nervous System and Its Diseases, \$6; Edinger, Central Nervous System, \$3. Guide to Electro-Diagnosis and Electro-Therapeutics, Cohen, Scratchley, \$2.

PRINCIPLES AND PRACTICE OF SURGERY.—*Wharton & Curtis, Practice of Surgery, \$6.50; *Bryant, Operative Surgery, 2 vols., \$10; American Textbook of Surgery, \$7.

ORTHOPEDIC SURGERY.—*Sayre, Club-foot, \$1; *Sayre, Orthopedic Surgery and Diseases of the Joints, \$4.

OBSTETRICS.—American Textbook of Obstetrics, \$7; *Hirst's Obstetrics, \$5; Williams' Obstetrics, \$6.

GYNÆCOLOGY.—Keating & Coe, Clinical Gynæcology, \$6; *Garrigues, Diseases of Women, \$4.50; Dudley, Gynæcology, \$5.

PEDIATRICS.—*Ashby & Wright, edited by Northrup, Diseases of Children, \$5; Rotch, Pediatrics, \$6; Holt, Diseases of Infancy and Children, \$6.

MATERIA MEDICA AND THERAPEUTICS.—*Cushny, Pharmacology and Therapeutics, \$3.75; *Woods, Therapeutics: Its Principles and Practice, \$5; *Manual of Toxicology, Brundage, \$1.50; National Dispensary, \$7.25.

PHYSIOLOGY.—*Moore, Elementary Physiology, \$1.20; American Textbook of Physiology, 2 vols., \$6.

ANATOMY.—*Gray, Anatomy, Descriptive and Surgical, \$5.50; with colored plates, \$6.25; *Cunningham, Manual of Practical Anatomy, 2 vols., \$6.50; *Gerrish, \$6.50; Quain, Anatomy, \$31.50.

CHEMISTRY.—*Hammarsten, translated and edited by Mandel, Physiological Chemistry, \$3.20; *Bartley, Medical Chemistry, \$3; *Newth, Manual of Chemical Analysis, \$1.40; *Jackson's Laboratory Work in Physiological Chemistry, 8oc.; Kobert's Practical Toxicology, \$2.50.

OPHTHALMOLOGY.—*Fuchs' Textbook of Ophthalmology, \$5; *de Schwernitz's Diseases of the Eye, \$5; Nettleship, Diseases of the Eye, \$2.25; Jackson, Diseases of the Eye, \$2.50; Wright & Posey, Diseases of the Eye, \$4.

OTOLOGY.—*Dench, Diseases of the Ear, \$5.

DISEASES OF THE THROAT AND NOSE.—*Bosworth, Diseases of the Nose and Throat, \$4.50; *Coakley, Manual of Diseases of Nose and Throat, \$2.75.

DISEASES OF THE GENITO-URINARY SYSTEM.—*Bangs & Hardaway, American Textbook of Genito-urinary and Skin Diseases, \$7; Morrow, Venereal Memorandum, \$1; Morrow, System of Genito-urinary Diseases, \$19.50; *White & Martin, Genito-urinary and Venereal Diseases, \$6.

MENTAL DISEASES.—Clouston, Clinical Lectures on Mental Diseases, \$4.25; Regis, Practical Manual of Mental Medicine, \$2; Tuke, Dictionary of Psychological Medicine, \$10.

DERMATOLOGY.—*Jackson, Diseases of the Skin, \$2.50; Stelwagon, Diseases of the skin, \$5; Hyde & Montgomery, Diseases of the Skin, \$4.50; Crocker, Diseases of the Skin, \$5.

HISTOLOGY.—Dunham, Histology, Normal and Morbid, \$3.25; *Boehm & Davidoff (Huber), \$3.50.

EMBRYOLOGY.—*McMurrich, Human Embryology, \$3; *Minot, Laboratory Textbook of Embryology, \$4.50.

BACTERIOLOGY.—*Park, Bacteriology in Medicine and Surgery, \$3.

PATHOLOGICAL ANATOMY AND HISTOLOGY.—*Delafield & Prudden, Handbook of Pathological Anatomy and Histology, \$5; Ziegler, General Pathology, \$5; Stengel, a Textbook of Pathology, \$5; Green, Pathology and Morbid Anatomy, \$3.25; v'Jaksch, Clinical Diagnosis, \$6.50.

DISEASES OF THE RECTUM.—J. P. Tuttle, \$6; Goodsall and Miles, \$2.50.

Textbooks, etc., may be obtained from the Clerk of the College.

The textbooks marked (*) are recommended for study in preparation for the recitations and as aids to the practical courses of instruction. The other works mentioned are recommended for collateral reading and as works of reference.

Matriculants

Fourth Year

Martin Auspitz.....	Austria	Herman Mendlowitz.....	N. Y.
William Edgar Boyce.....	N. Y.	Joseph J. Murphy, M.D.....	Iowa
Claudius Le Roy Boyd, Ph.B.....	Ind.	James Franklin Nagle.....	Mass.
Paul Bellows Brooks.....	N. Y.	Frederick L. Nelson, B.S.....	Iowa
Ernest Archibald Campbell.....	N. Y.	Jeremiah Francis O'Connor.....	N. J.
Byron H. Caples.....	N. Y.	Alexander D. Parce, B.S.....	Mo.
William Morris Collins.....	Mass.	Max Perlman.....	N. Y.
Leo Hubert Costigan.....	N. Y.	Rudolph Emanuel Pick.....	N. Y.
Carleton Gravis Crisler.....	Ky.	L. B. Pillsbury, A.B., M.D.....	Neb.
David Davidson.....	N. Y.	Max Lawrence Polowe.....	N. Y.
John F. Denton, Jr., A.B.....	Ga.	Edgar Howard Powell.....	Mass.
Francis C. Edmonds, V.S.....	N. Y.	Israel Jay Rachlin.....	N. J.
Charles Edward Elkins.....	N. Y.	Thurloew Weed Reed.....	N. Y.
John Edward Farrell.....	Conn.	Harvey Lawrence Reese.....	N. Y.
Clyde Alexander Finley, B.S.....	Ill.	Ralph Taylor Richards.....	Utah
Frank Edward Gessner.....	N. Y.	Joseph Rosenberg.....	N. Y.
Jacob Goldenberg.....	N. Y.	Joseph Samenfeld.....	N. Y.
Joseph Edward Golding.....	N. Y.	Henry S. Sauerbrey, B.S.....	Ohio
James Clement Harkins.....	N. Y.	Samuel Jerome Scadron.....	N. Y.
Clarence Morris Hatheway.....	Conn.	Joseph Schrift.....	N. Y.
John Anthony Heitlinger.....	N. Y.	Henry Schuhmann.....	N. Y.
Rudolph Francis Herriman.....	N. Y.	Herman Schwartz.....	N. Y.
Philip Hirtenstein.....	Austria	Leonard H. Smith, Ph.B.....	N. Y.
George Frank Holland.....	N. Y.	David Leon Sohn.....	N. Y.
William Henry Holzapfel.....	Md.	Edward Gustav Stelter.....	N. Y.
Nathan Meyer Horowitz.....	N. Y.	John Miller Stephens, A.B.....	Ky.
Elmer Isadore Huppert.....	N. Y.	William Clegg Stolorworthy.....	N. Y.
John Sutherland Hurt, Ph.B.....	Ga.	Gustave Strack.....	N. Y.
Clinton John Hyde.....	Conn.	Ira Brewster Terry, Jr.....	N. Y.
Moses Kahn.....	N. Y.	Edward Murray Tracy.....	Penn.
Louis Karmiohl.....	N. Y.	William Domenico Vento.....	Texas
William Karniol.....	N. Y.	Marks Murray Waxman.....	N. Y.
Robert Barnabas Keane.....	Conn.	Martin Weinberger.....	N. Y.
Henry Keller.....	N. Y.	Leroy J. C. Wenger.....	Penn.
Charles Flint Kline.....	Ohio	Henry Reuben Weston, A.B.....	Vt.
Nathaniel E. Lancaster.....	N. Y.	Filip Johan Wettervik.....	N. Y.
William Frederick Lorenz.....	N. Y.	Alphonse A. Wren.....	Ohio
James A. G. MacPhail.....	N. Y.	Emanuel Yadkowsky.....	N. J.
Royal Albert McCune.....	Utah	Warren H. Young, A.B.....	N. J.
John James McGowan, A.B.....	N. Y.		
Total.....			79

Third Year

Frederick Ackerman.....	N. Y.	Edgar Norman Brasefield.....	Penn.
Eugen Bauman.....	N. Y.	Samuel Montgomery Buch.....	N. J.
Benjamin Hoyt Belcher.....	N. Y.	William Edgar Caldwell.....	Ohio
Louis Bernstein.....	N. Y.	Daniel Parker Card.....	N. Y.

Alfred Ervan Chesley, A. B..Mass.	William Bertram Meister...N. Y.
Edward Lawrence Corbett...N. Y.	Albert Edward Merkle.....Ohio
John Nelson Drury.....Mass.	Benjamin Metz.....N. Y.
Samuel Taylor Evans.....Texas	Owen Joseph Mink.....Ill.
James Joseph Foley.....N. Y.	H. W. Oakley, B.S....N. J.
Wilfred Lester Foster, A.B..N. Y.	Herman Pomeranz.....N. Y.
Harry Goldman.. . . .N. Y.	Jacob Bernard Prager.....N. Y.
Samuel GreenbergN. J.	Isaac Reitzfeld.....N. Y.
Clement Jacob Hailperin...N. J.	Edward Sherrard Rimer...N. Y.
Rollen Wilbur Harrod.....Ill.	Emmason Charles Rose....Penn.
Edwin Elmer Hobby, B.S...Iowa	Robert Rosenfeld.....N. Y.
Robert Kabus, Jr.....N. Y.	Louis Clarence Rouglin, M.D..Ga.
Ignatius Kornblüh.....N. Y.	Harry Herbert Satchwell...N. J.
Joseph Krimsky.....N. Y.	John Matthew Scannell....Mass.
O. E. Kupferman, M.D....N. Y.	Oscar Henry Sellenings....Ohio
Peritz Meyer Kurzweil.....N. Y.	Samuel Shaftel.....N. Y.
William Lamb.....N. J.	William Francis Shaw.....N. Y.
Manuel Lamela, A.B..Porto Rico	Thomas Edward Smith.....N. Y.
Thomas Francis Lancer, Jr..N. Y.	William Spiro.....N. Y.
Charles Jacob Larkey.....N. J.	Paul Plummer Swett.....Conn.
Howard Foster Lawrence...Mass.	Ernest Ketchum Tanner...N. Y.
Terry Erastus Lilly.....Mo.	Samuel A. Vandewater, A.B..N. J.
John Linder.....N. Y.	S. Y. Van Meter, B.L., A.B...Ky.
Thomas D'Arcy Lucus.....N. Y.	Gordon G. Walton, B.S....N. J.
L. B. Mackenzie, A.B..Nova Scotia	Frank Henry Warncke.....N. J.
P. S. McCormick.....N. Y.	Joseph ZlinkoffN. Y.
Thomas Leo MahonyN. Y.	
Total.....	61

Second Year

John Henry Becker, Jr.N. Y.	Alex. Philip Kaplan.....N. Y.
Isidor Phineas Behrman...N. Y.	Benjamin Edward Kaplan..N. J.
Harry Benjamin Biscow...N. Y.	Frederick Martin Kempf...N. Y.
Harold Bonoff.....N. Y.	Henry Kendall.....N. J.
Chester R. Brown.....N. Y.	Ralph Knowles.....Ohio
Eugene W. Caldwell, B.S...N. Y.	Louie Ward Locke.....N. Y.
Harry E. H. Chipman.....N. S.	John Patrick Lynch.....R. I.
Curtis Frank ClaassenN. Y.	Canfield George Lyons.....N. Y.
Ralph Spencer Cone.....N. Y.	Burdge Perine MacLean, Jr.N. Y.
Edwin Raisbeck Crowe.....N. Y.	G. T. W. McMurrayN. Y.
Arthur L. Denchfield, B.S..Conn.	Percy Farrington Miller...Mass.
C. M. Depew, Jr., A.B....N. Y.	H. Morgenbesser, B.S....N. Y.
Albert Arthur Epstein, B.S..N. Y.	Joseph Frank Morris.....N. Y.
Charles John Goeller.....N. Y.	Walter Peters.....N. J.
Geza Greenberg.....N. Y.	David Rabinowitz.. . . .N. Y.
Stanley Douglass Hart....Conn.	John Wayland Rayhill....N. Y.
William Henry Helbig.....N. Y.	Joseph Ringwald.....N. Y.
Abraham Herzlich.....N. Y.	Lester Brooks Rogers.....Mass.
George Henry Hicks, Jr...Mass.	Solomon Rothman.....N. Y.
Samuel Hirschberg.....N. J.	Georg Schaub.N. Y.
Charles Lewis Hoitt.....N. H.	Harry William Seff.....N. Y.
James Peter Hunt.....N. Y.	Herman Seidler.....N. Y.

John Francis Sharp.....Utah	I. M. Vanderhoff, B.S.....N. J.
Robert Spiro.....N. J.	Otto von Besser.....N. Y.
Rupert Hope Stovall.....Ga.	Stanley Arthur Welles.....Conn.
George Reilly Stuart.....Vt.	Joseph Clark Winans, A.B....N. J.
McWalter B. Sutton, B.S....N. Y.	Raphael John Wren.....Ohio
Louis Harry Taylor.....N. Y.	Bernard Langdon Wyatt...N. H.
Roy Taylor.....New York	

Total..... 57

First Year

Clement Stephen Adams....N. J.	Stanley James Keyes.....N. Y.
Richard Travis Atkins.....N. Y.	Joseph Kraner.....N. Y.
Benjamin Berger.....N. Y.	Harry Michael Lefkowitzsh..N. Y.
Sidney Bernstein.....N. Y.	Louis Lesser.....N. Y.
Wakeman Bovey.....N. Y.	Bernard Levinson.....N. Y.
Roswell Sampson Bowlby...N. J.	Samuel Lewis.....N. Y.
William Sigismund Branner..N. J.	Michael Liebson.....N. J.
Adolph Francis Burgtorf...N. Y.	Edmond Camille Linton...N. Y.
Bernard Cohen.....N. Y.	Marvin Lorde.....N. Y.
David Joseph Comyns.....N. Y.	Lodovico Mancusi-Ungaro...N. J.
John Dennis Cooney.....N. Y.	J. S. Marblestone, Ph.G....N. Y.
Isaac Gustavo Cue, A.B....Cuba	Lucian Bayard Mitchell.....Fla.
Albert Joseph Daly.....N. J.	Octave Victor Monory, Jr...N. Y.
Arthur Daniell.....N. J.	Samuel Moskowitz.....N. Y.
Teodoro de la Torre.....Cuba	James Aloysius Mulligan...N. Y.
Joseph S. Diamond.....N. Y.	Samuel Frederick Mullins..Conn.
Henry Ambrose Dunphy...Mass.	Arthur John Murphy.....Utah
Abraham Edelmann.....N. Y.	John Sylvester O'Reilly....N. Y.
Carl F. A. Eggers.....N. Y.	David Pantiel.....N. Y.
John Alfred Faiella.....N. Y.	Charles Wilfrid Priestley...N. J.
Jacob Benjamin Feldman...N. Y.	Henry Fuller Rathbun.....Wyo.
Henry Fidler.....N. Y.	Gill Richards.....Utah
William Arthur Findlow....N. J.	Julius M. Rosenthal.....N. Y.
George William Finke.....N. J.	Samuel Rosenweig.....N. Y.
Abraham Finkelstein.....N. J.	Joseph Roth.....N. Y.
Albert Stanley Freedman...Penn.	Edward Barnard Ruschli....Ind.
Fred Maxwell Galloway....N. J.	Louis Sachs.....N. Y.
Edward Gustave Ganz.....N. Y.	Orin Winslow Sadler, Jr....Penn.
Solomon Ganz.....N. Y.	Edward J. H. Salmon.....N. J.
Louis Garbarino.....N. Y.	Gustav Francis Schmidt....N. Y.
Frank Garten.....N. Y.	Nathan Schwartz.....N. Y.
Fred W. A. Gatens.....N. Y.	Abraham I. Schweitzer.....N. Y.
Frank Banse Geyser.....N. Y.	Marcel Wesley Sherwood...Texas
William Henry Goldberg....N. Y.	Boris Sidis, A.B., A. M....Russia
Ludwig B. Goldhorn....Germany	Arthur Peter Smyth.....Penn.
Jacob Harris Goldstein....N. Y.	Emil Stein.....N. J.
Herman Grocshinsky.....N. Y.	Samuel Donald Sweitzer...N. Y.
Thomas Francis Healey....Conn.	Isador Teplitz.....N. Y.
Frederic Gray Hebbard....N. Y.	John Edwin Tibbets.....Me.
Gustav Christoph Hoefling..N. Y.	Felix Edward Tumulty.....N. J.
Max Jutte.....Germany	Robert P. Wadhams, Ph.B..Conn.
Francis A. Kaicher, A.B....N. Y.	Charles W. Walker, B.S....N. Y.
Jacob Kalish.....Russia	William Waxman.....N. Y.

Charles Weckslin.....N. Y.	James J. Williams, Jr.....N. Y.
Harry Leon Warren.....N. Y.	John Chambers Wood, A.B..N. Y.
Max Wegmann.....N. J.	Frederic Josias Wurtele....Wyo.
Thomas Harry Wilde.....N. Y.	Harry Augustine York.....N. J.
Total.....	94

Special and Post Graduate Students

John Lanson Adams, M.D., College of Physicians and Surgeons.....	New York
William J. Beattie, M.D., Bellevue Hospital Medical College.....	New Hampshire
William G. Cassels, M.D., Louisville Medical School.....	New York
Beaman Douglass, M.D., College of Physicians and Surgeons, New York	
James Budding Erskine, M.D., University Medical College.....	New Hampshire
Emanuel Goldstein.....	New York
William Kennedy.....	Prince Edward Island
Edwin Dearborn Kilbourne, M.D., North Western Medical School.....	District of Columbia
Herbert Clinton Meacham.....	Massachusetts
David W. Overton, M.D., University and Bellevue Hospital Medical College.....	New York
Emil Pohl, M.D., Oregon University.....	Oregon
Ralph Newbury Prentiss, M.D., Baltimore Medical Col..	Massachusetts
John Lazelle Sawyer, M.D., Chicago Medical College.....	Iowa
George Sittler.....	New York
James Hervey Stebbins, Jr., S.B., Harvard; M.S., Rutgers College; Ph.B., University of Omaha.....	New York
Oren Cheney Tarbox, M.D., Bellevue Hospital Medical College.....	Minnesota
Arthur Wellesley Thompson, M.D., University Medical College.....	New York
Charles Frederick Walter, M.D., Bellevue Hospital Medical College.....	New York
Morgan Wolcott, Ph.B., Yale.....	New York
David G. Yates, M.D., University Medical College.....	New York
Total.....	20

Summary of Students

Fourth Year.....	79
Third Year.....	61
Second Year.....	57
First Year.....	94
Special Students.....	20
Total.....	311

Graduates

Session 1902-1903

Martin Auspitz
William Edgar Boyce
Claudius Le Roy Boyd, Ph.B.
Paul Bellows Brooks
Ernest Archibald Campbell
Byron H. Caples
Leo Hubert Costigan
Carleton Gravis Crisler
David Davidson
John Fletcher Denton, Jr., A.B.
Francis Charles Edmonds, V.S.
Charles Edward Elkins
John Edward Farrell
Clyde Alexander Finley, B.S.
Frank Edward Gessner
Jacob Goldenberg
Joseph Edward Golding
James Clement Harkins
Clarence Morris Hatheway
John Anthony Heitlinger
Rudolph Francis Herriman
Philip Hirstenstein
George Frank Holland
Nathan Meyer Horowitz
Elmer Isadore Huppert
John Sutherland Hurt, Ph.B.
Clinton John Hyde
Moses Kahn
Louis Karmiohl
William Karniol
Robert Barnabas Keane
Henry Keller
Charles Flint Kline
Nathaniel Edgar Lancaster
William Frederick Lorenz
James Abram Garfield MacPhail
John James McGowan, A.B.

Herman Mendlowitz
Joseph James Murphy, M.D.
James Franklin Nagle
Frederick Lawrence Nelson, B.S.
Jeremiah Francis O'Connor
Alexander Dwight Parce, B.S.
Max Perlman
Rudolph Emanuel Pick
Lawrence Bell Pilsbury, A.B.,
M.D.
Max Lawrence Polowe
Edgar Howard Powell
Israel Jay Rachlin
Thurlow Weed Reed
Harvey Lawrence Reese
Ralph Taylor Richards
Joseph Rosenberg
Henry Stanislaus Sauerbrey, B.S.
Samuel Jerome Scadron
Joseph Schrift
Henry Schuhmann
Herman Schwartz
Leonard Higbie Smith, Ph.B.
John Miller Stephens, A.B.
William Clegg Stolworthy
Gustave Strack
Edward Murray Tracy
William Domenico Vento
Marks Murray Waxman
Martin Weinberger
Leroy Joseph Charles Wenger
Henry Reuben Weston, A.B.
Filip Johan Wettervik
Alphonse A. Wren
Emanuel Yadkowsky
Warren Hastings Young, A.B.

The Council of the University

The Council of New York University, incorporated the 18th of April, 1831, is a self-perpetuating body, consisting of thirty-two members, each holding office for four years, or until his successor is elected. One-fourth of the members go out of office each year on the first Monday of November, when their successors are elected by the council.

Officers of the Council

President—WILLIAM A. WHELOCK, LL.D.

Vice-President—GEORGE ALEXANDER, D.D.

Secretary—ISRAEL C. PIERSON, PH.D.

Treasurer—WILLIAM F. HAVEMEYER

Roll of the Council

DATE OF ELECTION.		EXPIRATION OF TERM
1871.	WILLIAM A. WHELOCK, LL.D.....	1906
1881.	WILLIAM LORING ANDREWS.....	1906
1882.	LEMUEL SKIDMORE.....	1904
1883.	WILLIAM S. OPDYKE.....	1903
1884.	SAMUEL SLOAN.....	1905
1884.	DAVID BANKS.....	1905
1887.	GEORGE ALEXANDER, D.D.....	1903
1890.	ISRAEL C. PIERSON, PH.D.....	1903
1890.	WILLIAM F. HAVEMEYER.....	1906
1891.	HENRY M. MACCRACKEN, D.D., LL.D.....	1906
1892.	JOHN P. MUNN, M.D.....	1904
1896.	*JAMES MCCREERY.....	1904
1896.	CYRUS C. MILLER.....	1904
1898.	FRANK J. GOULD.....	1904
1898.	WILLIS FLETCHER JOHNSON, L.H.D.....	1903
1898.	THOMAS E. GREACEN.....	1903
1898.	HENRY VAN SCHAICK.....	1906
1899.	WILLIAM M. KINGSLEY.....	1906
1900.	JAMES G. CANNON.....	1906
1900.	JOHN REID, D.D.....	1903
1900.	ANDREW H. GREEN.....	1904
1902.	CHARLES STEWART SMITH, LL.D.....	1904
1902.	GEORGE F. VIETOR.....	1905
1902.	JOHN ROSS STEVENSON, D.D.....	1905
1902.	WILLIAM R. RICHARDS, D.D.....	1905

*Deceased.

Historical Sketch

The earliest record of the conception of New York University exists in the minutes of certain meetings of nine citizens of New York. The first was held December 16, 1829, and was followed by weekly meetings for three successive weeks. The fourth and last meeting issued the following call for a representative conference of citizens to convene on January 6, 1830:

SIR: The establishment of a university in this city, on a liberal and extensive foundation, has, for some time past, occupied the attention of many of our respectable citizens. At a meeting held for considering the subject, it was determined to invite your attendance on Wednesday next, at seven o'clock P.M., at the rooms of the Historical Society, to take into further consideration the desirableness of such an institution as that contemplated, and to adopt such measures in relation to it as may be deemed most expedient. It is earnestly hoped that you may be able to attend.

J. M. MATHEWS,

J. M. WAINWRIGHT,

J. AUGUSTINE SMITH,

VALENTINE MOTT,

JOSEPH DELAFIELD,

MYNDERT VAN SHAICK,

HUGH MAXWELL,

ISAAC S. HONE,

JOHN DELAFIELD.

NEW YORK, January 4, 1830.

This meeting appointed a standing committee of nine gentlemen, of whom four were taken from the nine, including Dr. Mathews, who became the first Chancellor; John Delafield, who became the first Secretary of the Council; and Myndert Van Schaick, who became the first Treasurer. This committee added to its numbers from time to time, secured a long roll of subscribers to the new enterprise, and finally merged its existence into that of the first University Council, which was elected by the subscribers October 16, 1830, and was chartered April 18, 1831.

The founders thus enlisted were composed in almost equal parts of public-spirited business men and of members of the liberal professions. Their plan from the beginning included nearly all the professorships that are comprised to-day in the faculties of the six schools of New York University. Even the School of Pedagogy was anticipated in a proposed professorship of "The Philosophy of Education and the Instruction of Teachers." The Graduate School was planned under the name

"The First General Division," while the Undergraduate College was known as the Second Division. The Schools of Law and Medicine and Applied Science were all contemplated by the first statutes, adopted 1831. These plans were far in advance of any demand then existing in America, and were not supported by sufficient endowment for their complete accomplishment. It was reserved for the last quarter of the nineteenth century, instead of the second quarter, to develop them in full measure.

The University as now existing comprises under the Council (which is by charter the Corporation) eight distinct Faculties and Schools of Matriculants, and in addition the Summer School at University Heights and the Woman's Law Class at Washington Square, both made up of non-matriculant students who are enrolled without examination. A summary of attendance is given below.

The decade 1890 to 1900 began a new era in New York University. In 1891 University Heights was acquired. In 1894 the College of Arts and Pure Science and the School of Applied Science were removed to the new site. The Schools of Law and Pedagogy remained at Washington Square. The Graduate School divides its work between these two places. Accompanying these changes in location of schools, there has come a complete reorganization of the several schools into one University system. This was finally reached in 1897 when the Medical Faculty was thoroughly reconstructed. Among the important incidents of this new movement the following were especially notable: The consolidation with the University in 1895 of the Metropolis Law School; in 1898 of the Bellevue Hospital Medical College with the University School, under the new title of the University and Bellevue Hospital Medical College; and in 1899 of the two Veterinary Schools of this city under the title of the New York-American Veterinary College. In 1900 was the opening of the School of Commerce, Finance and Accounts, also the founding of the "Hall of Fame."

Change of Name

Upon the unanimous request of the University Corporation, the University Regents of the State of New York, under the powers committed to them by the Constitution of the State, enacted a statute March 19, 1896, changing the name of the University of the City of New York to NEW YORK UNIVERSITY. Henceforth this legal designation should be used in all papers of any kind whatsoever relating to this University.

Alumni Association

The New York University Corporation, upon approval by the Bellevue Hospital Medical College Corporation of the consolidation of the two Medical Colleges, enacted a statute by which the New York University adopted as her own Alumni all Graduates of the Bellevue Hospital Medical College. Their names have accordingly been placed upon the roll of University Alumni, with those of the University Medical College.

Special University Announcement

For young men who purpose, before beginning the study of medicine, to complete a regular college course, the New York University College of Arts and Science, at University Heights, has made the following provision :

The student, after completing his Freshman year, may take the "Medical Preparatory Course," which will qualify him to enter most advantageously the College of Medicine. After pursuing this course throughout the Sophomore and Junior years, he may elect, in place of his Senior year at University Heights, the first year in the Medical College at First Avenue and East 26th Street, provided that he gives three hours a week to college work in Arts and Science, outside of Medicine.

This plan shortens the combined College and Medical courses from eight years to seven years. It is recommended only to those college students who are of mature age. Others are advised to take four years at College before entering upon the course in Medicine.

For a circular, address University College, University Heights, New York.



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